<400> 16687
gtcctctgca gtgtcttgaa atggtgctgg agcagactcc ccggaggagt tgtcacctgg 60
gacgcgtatg aacttttcaa agtcggcgaa caaggtatgg gtttacacta catagcggcg 120
gccggcaggt tgcataaggc tgatcggatc gcagattctc aactcgcccg cgacgcattc 180
tccacgttca tcccaatcag tgtcgactcg gatgctcgaa ccaagattat tttcgacttt 240
ttcgacctgc tagctgccat tgcagcacac ggcaagtcca acggtctcgg aggccgaaag 300
ctctcgaggt atgctgggtg gtgggctttt gagcattcgg atgcgggcaa tggctttgaa 360
gctgcctaca aaaactgggc cgcgtacgtt ttccttcaat cgaatatacc tggactgagt 420
tag 423

<210> 16688
<211> 1089
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (698)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16688
caaggaacga gtttgcgggg cggtcttcgg tccgctcctc attccgtcgc gggggatctt 60
ggtcgcccta caactccatc ctgggcagat ttcatgtcct ccggcttcaa tgacagcaac 120
gacttcaagc cgcaagttgc tcctttgctc cttccaccac acaaggtcct gcctccaatt 180
gctacggtgc gaggccaaag ctctcagtct cacaagcgta ccctggactc ggaagttcct 240
gccgaacctg ccgagcttgc cagcatcacc acactggatc tggacgactc cttctggtgg 300
gtctggatca gcagtctgac actagaggag cctgcttcgc ggaaggcggt atttggtagg 360
tgcgcattga tcgaaacgat cattaaggac acaaagtggt tagttctgga ggaacaggtt 420
aaaggcgcag cgccggagcc tgaaccaggt gcgtacattg tcgagaagaa gaggtttttt 480
accttctctt ctcgcaaggg aatgatcggt cggcgcaaat cgtcggccaa aaaagtgtct 540
gccgttgaag agtcctacaa tcgcgccaac aatctcgctc cccatagtaa gactagcatt 600
gcacctgatc agcatgctcg cattcaggct gctgccgcgg ctttgcagaa gaagcatcgg 660
gaacaggagc aggaggccgt taacagatcg aaggctancg tgccgaacga ctcacggtac 720
tcaaaggcaa cctccgttat gtctttgcaa ccaggaatca tgagtgaggc ttctcaagcg 780
atgaagtggg ccaggaatta tgacaagaat gcctatcgcg ccgcctatct caaggacagc 840
cgggccggga caggtgcgct gaccgacgaa aatgaggcgg ctgtgaacgg caaggtgtca 900
gagccgccag cttctccggc actgagctca tcaacccacc aggcgccacc tccggtgccc 960
aaggacagcg tgccaagctc tcccacgccg attgagcata tgcaaagaag cagtgtggac 1020
gaaaatgccg ccagcagaca ggacaatatc agtgcagctg ctgaatctct gccccaagca 1080
gtcaactga 1089

<210> 16689
<211> 747
<212> DNA
<213> A.fumigatus

<400> 16689
aacctactgg gggctcagcc gtcggctgtt gctgctgctc gtgcggcttt agaaggcaag 60
gccaaggaag cccaggagac agttcgcccc aatggcgctt cgactttgag gaaacccgtt 120
ccagctccgg cggcggctcc ccccgctgct ccagctgaag tcgcaagccc acctgcacgc 180
gtggagaaac cagtccctga gccgcagacc gtcactactg acgaacagca tgatgggccc 240
ccgatgaccc gtcgtgatgc tgaatacgat gcactttccc gcgtagacac taatgagcga 300
acggcagcgg atcgtgaatt ctctcgattt gatcagggcc ccttggtgga acagccagcg 360
ttcgctcctg aggattctcc tgtctctgaa gcattcgctg acaagtctgc gcctgctgcc 420
actgttagcg aataccccaa taggaccgga gtttctgaac gttcaacgag ccctacggca 480

gccccggcca attcatctta tgaccgctgg gcacagattc gcaagaatgc cgcggaaagg 540
gccgctagac tcgaacagtc cggttcctac cgatatagcc aagatgaagg taatacaagc 600
gaagaagaga gtaagtggag gcggcccctt gaactggcaa taacgatgct gattctgtcc 660
aggcttcgag tctcgtgctg ctcgtatcaa ggcgagagtg gccgaattga ctggaaatat 720
gcaggccgca agctaaaaga cgtctaa 747

<210> 16690
<211> 300
<212> DNA
<213> A.fumigatus

<400> 16690
aatggcaaag ccggcgccat tcccgccgca tcctcctctt ccctcgagaa acccgtcacc 60
cctgctccag caagcaaaga taccccccgag ggtgccgtcg cattcagcag cgccgcaggc 120
ccatggctga ccgcggcgat aggctttccc gccgctgcga cattctgtat cagggcaagc 180
gaggccgcgt cccttacgag gtcaaacatc gctaccatca acatcaacat caacatcata 240
atgtcaacct cagattgtag atcgttagac atagacatac ccccccgccc acccacatag 300

<210> 16691
<211> 786
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (27)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16691
ttactcgtta ctcgccgctg gctgatnacc catttcacca cgcacagctc acaacaagga 60
aaacacccgc agtccgaact cgcccaccca tactctatcc tcgaacccaa ggtcaccctc 120
accatggcct cccctcaggg cggcgaagcg cccttcgacc cagcctctgc ctcagcctcc 180
gcgagaccag aatccgatac aaccgacatc accgctctag cgcggcactg ggaggcttgg 240
acgcacacgt ataagatcag ggagttggtt gcccgtgcgg gagcgggggga attcgacgcg 300
gtgttctatg tgggtgggcg gggggggtatg tctatgtcta acgatctaca atctgaggtt 360
gacattatga tgttgatgtt gatgttgatg gtagcgatgt ttgacctcgt aagggacgcg 420
gcctcgcttg ccctgataca gaatgtcgca gcggcgggaa agcctatcgc cgcggtcagc 480
catgggcctg cggcgctgct gaatgcgacg gcaccctcgg gggtatcttt gcttgctgga 540
gcaggggtga cgggtttctc gagggaagag gaggatgcgg cgggaatggc gccggctttg 600
ccatttcagt tggagacgga gctggagcgc gtatctgggg gtggatatgt caaagcggac 660
cgatctggga ccaaggttgt tgtatctacg acggccgggc tgtgctcgcc gctgattaca 720
gggcagaatc cggctagtgc ggctggcgtg gctcgggaga ttttgagggt attggggtgc 780
gattga 786

<210> 16692
<211> 546
<212> DNA
<213> A.fumigatus

<400> 16692
caattttgtg cgtatctggt gaatagtgtc catcctacac taagcctgca catattcaag 60
atgggagctg tgagaaagat caagacaaag cgcagaacaa ggtacgatat acaggaatgc 120
actcatcgcg ccattggtgc acttgaaggt ccgatagctc taacattgct tgtctcttgt 180
agggactacg atcaagtccg agcggacatc gactctccca agcaccttac gcagtacaaa 240
gcgaccaagg atgcggagga tctcccaggt ctaggaaagc attattgcgt cgaatgttcg 300
aaatggtttg agagcgaata caacctggtc gcccatacca agggcaaaaa ccacaaaaga 360

aggtcggtga taatggacag tgcgaacgtc tttttggacc gatcacgtct aactcaggga 420
tgcttgaata ggttgcgatt gctgcgcgag gagcctcatt cacagaaaat cgccgaggct 480
gctgtcggtc tgagtaccga caatggattg cgacaacagg aaacggtcgt tgacatggag 540
gattag 546

<210> 16693
<211> 1092
<212> DNA
<213> A.fumigatus

<400> 16693
gcagtgaaat ggctgggaaa ggatgcaatt acgccgttcg cgatagacgg caaagcctcg 60
aaggcggagc tcacctccca aataaagcaa tgggccatcg catccgggcg ggccgtagtc 120
cggcctgttc tcatagtttc atatgaaact cttcgaatgt atgtcgatgc attaaaagac 180
agtccgattg ggcttctttt gtgcgatgaa ggccatcgtc tcaagaacaa agacagttta 240
acgtggactg ctttgaacag tctgaatgtg actcgtcgtg tgattttgtc gggtaccccc 300
atccagaatg atctctctga atatttcgct cttctccatt ttgccaaccc aaatctgctt 360
ggctcgcaaa atgagttccg aaagagattc gaaataccta ttctgaaagg acgagatgcc 420
gcaggcacag aggaagatcg gaagaagggc gacgagcgat tggcagagtt atctggtatt 480
gtgaataaat tcatcattcg ccggacgaac gatattttgt cgaagtatct gccgatcaaa 540
tatgagcatg ttgtcttctg caacctttcc cagttccagc ttgatctcta caaccatttc 600
atccagagcc ccgagatcaa gagcctgctt aggggaaagg gaagtcagcc actgaaggcc 660
attgggatat tgaaaaaact atgcaatcat ccggatttac tcgatctcac gagagatctt 720
cctggctgcg aacatacgtt tcccgaggac tatgttccac ctgaagctag agggcgagac 780
agagatatca aatcatggta ctctgggaag atgatggttc tcgatcgtat gctagctcgt 840
atccgtcaag atacgaatga caagattgtc ctcatcagca attacaccca aactctcgac 900
ttgttcgaaa agctctgccg atcgagaggc tatggctcgt tgaggctgga cggtactatg 960
aacatcaaca agcggcaaaa gctcgtcgac aaattcaaca atccagatgg tgaggaattt 1020
gtgttccttc taagcagtaa ggccggcggt tgcggattaa acttgatcgg cgcaaaccgc 1080
cttgtgttgt tc 1092

<210> 16694
<211> 879
<212> DNA
<213> A.fumigatus

<400> 16694
attgacaaaa ataggtatcg cccgcgccca gctgtaggaa ctgaaggtgg aaacaccccg 60
ttatccaagc cactacagag aaacatatca tccaactcga tagaccgtct ttcaaagcct 120
ttcaaatgtc ccgggtctgc catccctacc cgaacatcag ataagcctgc gagaaagcga 180
agaaaagtca actacgcagg agcagatgga gaggtggagg acaacagcgt caagccatgg 240
accaacgaag aacgtcttgc tcttgcgaca agagatgcca ataaatttcc cgtctttaaa 300
gtcaaggaca aggaaaccac gtttaagcaa agatttcgga tacctttgat caacaagtcc 360
tctaatgatt acaatccttc gagaccagct cccactttgg gaatgaggca aggcgccact 420
tttgttgtga aaccactaca cgatcctagt ggagaatttg cgatagttct atatgatccc 480
accgtcgacg atattggcga ggctccagaa tcgatgcctg aagacaaggg catcgaggaa 540
actaaagcca agctggacga gccgctggtg cacaagagcc tagcagatat actcggactg 600
aagaagaagg tggagtctcg tcctaaggtt ccagtggtca tagatcccag attggcgaaa 660
gttctgcggc cgcatcaagt ggaaggtgta aaggtagtga ctcccttgac atccacacga 720
acacgaatcc agaaactaac ctgtctcctc cgcaagtttc tttatcgctg tacaacaggt 780
ctgatagata aaaatgcgaa tggttgcatt atggccgatg gtatgggatt gggaaagact 840
gtatgtggca gcttctttcg agatattgat caagcctaa 879

<210> 16695
<211> 519
<212> DNA

<213> A.fumigatus

<400> 16695
ttacttgcgc cagagactcg attggctatg gattttagta tgcacaatgc tttccctggg 60
tctttccgcg acaggtttct agtcggacgt ttatttacct atggcaccca cagtttctgt 120
tcttacgagt accgcagacc tcttatgtct tccgaaattg ataacgcgca tgagattgct 180
ctgaaagtac ttttctgtgg aggcattgct ggagtgacca catgggcttc tgtttacccg 240
ctggacatga tcaagacgag actgcaagcg cagacaattg caatagctcc cgagtcccgc 300
ccactgatac ctatacagag caagccccag acattgaatt cctaccagat tactaaagcc 360
gcgtatcagt ccgaagggct gaaagctttc taccgaggac tcgggatttg tagcttgaga 420
gctttcatag taaacgctgt tcaggtatgt gattccaaca ccacggaatg gcatttgcta 480
atcatgcgca acagtgggca gcatacgaat ggcttatga 519

<210> 16696
<211> 186
<212> DNA
<213> A.fumigatus

<400> 16696
cggggtgttt ccaccttcag ttcctacagc tgggcgcggg cgatacctat ttttgtcaat 60
tcagctcatt ggaacgcaga gagcctagag tggactcaca ttgatagctt cttctatgca 120
ggcatagctt ctcaagtagc tggctggatt gccttgtcgc tatccgtagt aatcaatcaa 180
ggttga 186

<210> 16697
<211> 228
<212> DNA
<213> A.fumigatus

<400> 16697
gcagccactg ctcaagctct cgaccttggg aaattgttct caatgtcgtc agacttttgg 60
gcgggatacc tcagtggagc cattggaatc ataatcggca accctctgga tgttgtcaag 120
gttcgattac aagctggcgg ggttaatgta gctggatcaa cgagccggaa cataggctcc 180
ttcgagaatg tgagctccct tgtgcgaggt cggttggctc tctcatga 228

<210> 16698
<211> 360
<212> DNA
<213> A.fumigatus

<400> 16698
acactgacgt gggtacgagg tgctgctgct cccatactgg gatatggagc gtttaatgcg 60
ctgctgtttg tcgcttataa tcgttcgttg atgttcatgg atgattcgat aaaggatcct 120
acaaacccct tgggcgtttc gctctacaaa atttggcatg ttggtgctgc tgggggagcg 180
gccagctgga cgctctcatc tcccacagag ttcatcaaat gccgagcgca aattgactct 240
cgccttgggg tctcttcgtg gactgtcgcc aaggacatct ttcggacccg aggattgacg 300
ggtctttact tcggaggcat gattacttgc gccagagact cgattggcta tggattttag 360

<210> 16699
<211> 1125
<212> DNA
<213> A.fumigatus

<400> 16699
gtcgaaccac agtcgcagcg agacccaatc ggtctcctcg cagggtggtc tcccgacagg 60
tgggtgttct atatgatcct tctggctgga tttgaaatgc aggagataac cattccccca 120

ctgacaacag gcactattcc tgagaacgag aagttatcca cccgggatga tgagaagggg 180
acgcaggacg atcatgttta catcgcggat accctccccc ttcgacgcca gattcccttc 240
atcctgacga tctgctcggc catgtacacg aaccagctcg ggctgggcca aaccatggac 300
atcgttcgta tcattgggga ctggtacgga atcaccaata gcaacgaact gtcgtggttg 360
gtggccggct acagcttgac cattggcacc tttgtcctga ttgccggccg gctaggggac 420
gactttggac ataagaggat gttcgtcatc ggcatgggct ggtatgcgct gtggacgctg 480
gtctgtggtc tggccgtcta ttccacgcag gtgctcttca tcttcgcccg ggtcttccag 540
ggaatgggcc ccgcggtgac actgcccaac gcaatcgcca ttctgggcca gtcatacgcc 600
cccgggccgc gcaagaacat ggcatttgcc tttttcggcg gcagcgcacc ctttggcgcc 660
atctccggct ttgccactgg cggccttttt gcgctggcct ggtggccgtg ggcgtactgg 720
agcgcagcca tcgcactcac cggtctggcg gtgtttgcgg tatggtcgat cccacctcaa 780
ccggtgagcg cgacggccac gactcggacg gtgggccaga agatcgcaca cctggacctt 840
gccggctgcg tcaccggcgt ggcctcgctg gtcctgatca atttcgcgtg gaatcaagcc 900
gccggggtcg gttggcaaga gccatacgtg tatgtctgcc tcatcctggg gttcctcgcg 960
gcggcagcct tcttctgggt ggaactgcac tggtcggaag atcccatcct gcccctggcg 1020
gccttcaact ccgacattgc cttcgtgctg ggctgcaccg cctgtggctg ggccaccgct 1080
cgaatctggg tgtttttaca gccgccggct ggaaggacaa cgctc 1125

<210> 16700
<211> 930
<212> DNA
<213> A.fumigatus

<400> 16700
gccccggtgt cccgaaagaa agtgccgggc cttcaccaaa ttgtttttt tggagctact 60
ccccccatgt tgggaccgtt cttcatggaa ccggaagtta gaccgcccca aacatgtcca 120
cattcccggc cggatccccc cattgaacgg ccccccaccg cgggtttata ccccggccgg 180
gtgattttaa taaatgcgtg gcccggcagc accaaccaca acaagcagcg gcccggcttt 240
gtcacccttg atccatggga gaagaagtca tccaccctgc tgaacaacta ctatggcctg 300
accttcacgg actgtgacga tgtcatcgtc gaccccgtca cgggcttcgt ctggttcacc 360
gtcccctatt actcctggtg gctggaggtg gccgacacgc cgccccagct caagtccgcc 420
acctatcgct tcgatccggc cacggggtcc acggtcgtcg tcaatgacga gatgcgctcg 480
ccgaacggca tcgccctgag tcccgaccgg cgacacctct acatcagcga caccgaggcc 540
gcgggtcagt cggcgccgat ctccctcgat ctgcccagcc ccggcgtggc cggtctgctg 600
ttcaacacca ccggcaaacg caccatctac aagttcgatc tcatcgacca gggacacgcc 660
attgccaaca agcgtcccat ccactacgac gcaatcggca cggtgcccga cggactcaag 720
gtggcccgga acggatgggt ggtgacggcg agcgggaatg gattgagcgt gatggacgag 780
tatggggaga tgatcgcgcg cgtgcaggtc aatttcaccg tcaacaactt tgtctgggcc 840
gatgtggacg actatcggga ggtgtggatg gtgggacagg gaggcgtggg acgcgtgcga 900
tgggagctcc aggggcaaaa agccgtttga 930

<210> 16701
<211> 1002
<212> DNA
<213> A.fumigatus

<400> 16701
tatgagccac cgactgaacg gtcgagtact cgaccatcta gggagataaa tctcgatgag 60
ccactccatc gcaacgtgct caaggcgctc cggaaatccc tggaactgca atatcgaaac 120
gagaacgccg gattgtggta cttcgtcgat ccgccgcccc cctacccacc gtacggcaat 180
ctctcgtaca gcgacggcat gtacggcttc gcgcccttcg ccgccttgta cggcatgacc 240
tacggcgacc caggggtcaa cctcgacgcc gcgctgcttc agctggatct tctctacacg 300
cagagcatcg agccatccac ggggttgatc aagcacggct acgatgcatc gcgagacgct 360
ccctgggcgc acccgatcac tggcgccagt cccattgtgt ggggccggag tctcgcatgg 420
tacctgatcg gcacggtgga caccctggag atcatcgcat ccaggtctgg agaccactcg 480
gaggatgcaa ggcgcacgga caagaccgtc cagcgcatcc gtgagatctt tcagcgtctc 540

gcccgagcga cggtggacgc catcgaggac tcggccggaa agacggggcg ctatgccgtc 600
tggcaggtga tggatcggcc gggagagcct gggaatttcg tcgaagccag tgccagtgcc 660
atgattgcgt atgtgctggc caaggggtc cgtctaggct atctgcccgg acgttcgcca 720
agttcagaga ctgatggaaa acaccgtgcg gcttcgtctc tttgggtcca gggcccgagg 780
ccgggtttcc gtgatccggt gcaatctcag gatgttctgg ccgtggcacg cgctctctac 840
caagatgtgg ttgcgcaatt tgtcgttcgc aggcacgagg acgacactct ggatttcctg 900
gggacgagca tcatcgccag cttgcatgaa gagaagccgt attacgaggt ctgtttttcc 960
ccgttttcga ggtccgatgt ctttgtcttc gggctaacgt aa 1002

<210> 16702
<211> 1110
<212> DNA
<213> A.fumigatus

<400> 16702
actctacgat ttagcggaat atcgtctggc accgcagttt ccctttcctt gtgccctaca 60
ggactgtttg gcggcttatc tgttccttct caacgaacac gatccgaccg agatcatatt 120
tgccggagac tccgcagggg gtggaatggt cctttcgtaa gtgccatacc gactactctt 180
ggaaatgcaa ctaatcatgg caggatgttg gtcaccattc gtgaccaagg actacctttg 240
ccggccggag ctatcctgat atcgccctgg gtggatctga cccattcttt tcccagtgtg 300
ctatcggaca gtccaggtga ttacatccca ccgagtggat tccgatatag gccctccgca 360
gcctggccgc ctccaaacgc cgatgaactc cgctcgatca aggatgcaaa acaagagtca 420
ccagaaagcg ctgtggaaaa agccgtgcca ggagaggaca caccggctca ggagacagca 480
gtgcaggggt acacagtcga gaaggatgga tcagatcgga cagaaccgac tccagcagct 540
cttcagcatt ccgaagacga cgagaccaag ctcgtcgaaa ttcctattga cggtcataca 600
gtcgtagtga aagaccagat ccaaatgtat acaccgaatc acctcatctc ccacccactc 660
gtctccccgg tactccaacc gtcgcttggc ggtctacccc cgctgcagat cctcgtcgga 720
ggaggcgagc ggttacggga cgagcagttt tacattgctc acaaggccgc aaacccaaca 780
gcatatcctc ccagcgacaa gactctggac gagtatgatc ccaaacgaga aatcctacac 840
aaatatcctg gcacctatgt ccaattgcag gtatgggacg atctctgcca cgttgccccg 900
acccttagtt ttacgcgccc ggccaaatac atgtaccgat cgattgctca attcggtgcc 960
tgggctcttg catgctccca cccttcggag attgccatcc tcgacgacaa cgacatctcc 1020
tccatctcct cctccagtga aacagaccct cgcgacgcag aaacccatgg cgaggtcttc 1080
accacggggc tggaaggtgc cgcgccataa 1110

<210> 16703
<211> 219
<212> DNA
<213> A.fumigatus

<400> 16703
ccacatgcta attgcgcagt gagttacgcc cgggccacag aatacagaat gactgctaaa 60
ctctacgatt tagcggaata tcgtctggca ccgcagtttc cctttccttg tgccctacag 120
gactgtttgg cggcttatct gttccttctc aacgaacacg atccgaccga gatcatattt 180
gccggagact ccgcaggggg tggaatggtc ctttcgtaa 219

<210> 16704
<211> 408
<212> DNA
<213> A.fumigatus

<400> 16704
gttccattac agcaagcact gctggacgtc tttaagcccg tatcataccg taatatgtct 60
ggtcatccat ctggaacact ccacactgtg tgtcaggttg agtgcatccg ttgcaatgac 120
ctgcccgacg ccatgacaga tcttctggac tcggccatgc agattatctc ggcagtcatg 180
gactttgtaa agtactgtga tcaagaagac agcatccgcc agcagtacac atggattgta 240

agcccctgta acctgtctct gatccagctt cagatgccta acctgtcagg atcaactttt 300
ctcttctata ctctccagca gcaggtgttg ttgcaactcc accccatcac tgtacagtgt 360
ttagcttgcc actaccatgt tccatcccgc ggtcgaattt atccgtga 408

<210> 16705
<211> 483
<212> DNA
<213> A.fumigatus

<400> 16705
tatctgcatc ggaaatccca tcgcacgaaa cccacggtcc acatctccta tgacgaggca 60
atccagatta ttcgtcaatt ccttaactat gctgccaaac acaccgtgga ggatatccag 120
tcgttcacgg ctcaacgagt tcccgccccg cattgggtga agacaaccaa ggtcgtcatt 180
ccggagaatt acctctcttc tgcggcgact gctcttatca agcaacttgg gcccaaaggt 240
atagcgcgtg tgggggggtga caaatggtgg caatggcgtg gaccggccga ggatctcaga 300
ggagagtgga tcgagatgaa gtcggactac cacgagagga gacgcaccaa caatcatccg 360
agcgggaagc gcatcatgtt gtatcttcac ggcggtgcct actttttggg cagcgtcgag 420
actcatcgat atcaattgca gcgtcatgcg cgaaaactca agggacgagt atttgcacgg 480
taa 483

<210> 16706
<211> 1173
<212> DNA
<213> A.fumigatus

<400> 16706
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<210> 16707
<211> 549
<212> DNA
<213> A.fumigatus

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gatttctaa 549

<210> 16708
<211> 564
<212> DNA
<213> A.fumigatus

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<210> 16709
<211> 612
<212> DNA
<213> A.fumigatus

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tcgtccatcc atcaaggcag tagagctgtg gctgcagcta cggaagctgc cagcacgccc 180
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aaggggccat ga 612

<210> 16710
<211> 339
<212> DNA
<213> A.fumigatus

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<210> 16711
<211> 846
<212> DNA
<213> A.fumigatus

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aacgtcaagg ggcttgagtc tctcatcaag gttatggatg cgacgtgttc tacagcagag 180
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cagtga 846

<210> 16712
<211> 285
<212> DNA
<213> A.fumigatus

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agggagcgca ccccgtatat ggtgcctaca tacgtgcggc caactcccgt aatgattaag 120
ggacaaggat gttatgtctg ggatatggag aacaggcggt atcttgatct taccgctgga 180
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<210> 16713
<211> 549
<212> DNA
<213> A.fumigatus

<400> 16713
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gaggacgatg atgacgaaga gcttctcgag agcattccgt ttgcatgcat catctgcaag 300
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gagtcctaa 549

<210> 16714
<211> 810
<212> DNA
<213> A.fumigatus

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<210> 16715
<211> 1155
<212> DNA
<213> A.fumigatus

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<210> 16716
<211> 1767
<212> DNA
<213> A.fumigatus

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<211> 636
<212> DNA
<213> A.fumigatus

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<210> 16718
<211> 306
<212> DNA
<213> A.fumigatus

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gcttacagca gccggccttc gagtgcacga gattggcatg ggacaggatt cgcccaagat 240
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<210> 16719

<211> 1098
<212> DNA
<213> A.fumigatus

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<210> 16720
<211> 336
<212> DNA
<213> A.fumigatus

<400> 16720
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<210> 16721
<211> 270
<212> DNA
<213> A.fumigatus

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<210> 16722
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<212> DNA
<213> A.fumigatus

<400> 16722

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<210> 16723
<211> 246
<212> DNA
<213> A.fumigatus

<400> 16723
agccgattac gcgtaggtca actcatctgt tatcactcta tgaaagagtt gcattctata 60
ctcaaaacta gggctgattc aacaatttat agtgggcggg aattgcgaga aataaatttc 120
aataccgggc tatatatcgg cggcttccct gctatggatt tctttggaga tggcagcttc 180
tacttgttgg atgcccccgg tgtcagtatt atttcattcc tagtacaatc cggctcaaag 240
tactga 246

<210> 16724
<211> 237
<212> DNA
<213> A.fumigatus

<400> 16724
atgttaaagg ctccacatga tgcagatgca atgcatgata ggttgtatat tcagaagccc 60
ctcgggttct catatttccc aaacgagatc attccggctc ccaaggcctg ggtgagcact 120
acggggaacc tagtcttctg gaggcaacat gacaaggtac gtcttaatat caagggcctt 180
ctagtcatat gttatagggt gggcatttcg ccgcacttga aagaccccac gacctga 237

<210> 16725
<211> 282
<212> DNA
<213> A.fumigatus

<400> 16725
accaaacaag ggcacgcaca aatagcacgg tcagcagaaa gagagttact cccagttgaa 60
acgaaggata aactaagcaa cggaaacatt ggtaatagca tctttgaagt cctccaaaaa 120
tctccaacgg ccagtgtcct tccaaccctt cgttttccac tcattcgctt tattcgggaa 180
aaagtctata acttccaaca gacttttgtc atgcgccaaa attataaata tgtcatcact 240

tgcgtcaaac gagatcattt tgctgatagt cgcctccgct aa 282

<210> 16726
<211> 774
<212> DNA
<213> A.fumigatus

<400> 16726
acttcccata gcccaaagtt actccactgc ctccgggtat cgatcttcgt ggcaaaacag 60
ctttggttac tggagccagt gcaggcaggt attgggttga aaacagcccg acaactcctt 120
aaactccatc tttctcatct tattctcacc gtgagaaatg tatcgaaagg agaagcttgc 180
aagcaggaga tccagcaact taaccgccaa gcacaaatca cagtgcttga gctcgatatg 240
aacaattaca atagcgttct gagctttgcg aaaactctgg aggaagaggt ccctacagtc 300
aacattctgc tactcaacgc gggaatcgga cttctgaagc tggagcggag ccccagtgga 360
catgattgtg tcacccaagt gaactacctg tccaacgccc ttttgattgc tgcactgttg 420
ccgtacctca aggcatccgc agaaacctct ggcgttcctt ctcgtattac ttgggtaggg 480
agtcgaatgt actttaccac gagtctggag gagaaagcgc ctataaaaac tggtgaatcg 540
gtgcttgagc acatggattc aaaggaattt ttttttccta aagagagata caacgatacc 600
aagcttctgt gcgccatgtt catgtacagt ctcgctcagc gtctcgacaa atccaaggtt 660
atcctgaaca tggtctgtcc aggtctgatc aacaccaata tgaccaatgt gttacccttc 720
catatgcgca tggtcatggg tgtcatgaag ttttttccta gcgcgcccgg ttga 774

<210> 16727
<211> 261
<212> DNA
<213> A.fumigatus

<400> 16727
tattcctacc gctgcgtccc tgttctgtct ttgagctctg gcaaattcat caagactctt 60
gatcttatca cagatgcagc atttgagttc aacagtttga tttcccgaac agatgcggca 120
ttttgcgttg ttcttcgtca aagcgacatt cacaccgtga ctcaagatgg catgacgaag 180
ggcttcgagt tgcctattgg agtagttact cgaggaacgg atcttgctac aggttccaca 240
tttgatccta ttctatgtta a 261

<210> 16728
<211> 624
<212> DNA
<213> A.fumigatus

<400> 16728
atttgccaga gctcaaagac agaacaggga cgcagcggta ggaatactat ctcatgtctc 60
tcttatcggc taaggataca gctaacatct ggttcttccc agagatgcat gaattgtgtg 120
cagagtcaca ccgatgccga gccagttctc gaggagccta aactcttgac tgagagtgag 180
ctttccactg cccctgatac gtacacagct gtcagtcacg ccgatccgtc ctcaaaatgc 240
ttcacaaatg cgtacatcct ggtgctaaca cagtttcagg gccaaattga ctctctttcc 300
ttgattgcat caacccaaag actcacagtg aaggcggctc ctactgccca acatattgac 360
agcagtggtg cgcacgacat ggaccgcgtg tcgctcattg aagatcacaa tgggaaagcg 420
aactcggtgc gcggaggaca acccttaca gctttcaatt ctaaaggagt ggtccaccgc 480
cgctctggtt ccccccctgg taccgcacgg tccgttcacg gcggttgggc gacctgggga 540
gtggacttca actatactgt caccaaaccc atcaagaagg gccgcagctc caagtttgcc 600
aaggttccgg taagcccctt atga 624

<210> 16729
<211> 201
<212> DNA
<213> A.fumigatus

<400> 16729
gcagtaatca taccacaact gcattttctc gatgtctctt cgcttgagct gcttgcctcg 60
gtctctacta tcgtcgaaac actgactctt tgcgattctc atccccgagt ttcctctttg 120
aacccctctc aagacaagat gcctccatcc tttcgaagtg cgtatgctgg aggttacagc 180
gatgagatta agaaacggta g 201

<210> 16730
<211> 768
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (71)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16730
acatgccgca gccccaagtg cctccggcgg ctccgtcgcc aactcaaggc caatatgcgg 60
agtcacctca ncaatactca tggtatcagc agccatccat tggaactatc aatgaaggcc 120
gtcagctcag cttttcataa agctgagaca cccacctatc tatcgccaga agtcctgtcc 180
caaatcactg caaccgtgat tcaacagctc aaagcaactg gtctggataa cttccaagct 240
cagcatgcac ctcagtcgcc gcaaccatcg ccgcagccac catccggtcc gacaccgtca 300
cagtgggtgc ctccgcctcc cagctctgct ccccaataca gttataacga gtatgaatcg 360
ccacctcctg taccaccaaa gccgtcctcg ccgcaaccgg ttgcagtctc cgatactccc 420
gactaccagc agtattccca aactagtcca tatccaagca gcgttgagcc cagtgcacga 480
ccttccccgg tacctcctgt cgagagaagg gggtcgccgt atagccaggc aagcgaccaa 540
ggccagaaaa tggaagcacg cccaaaacca ccgtcaaggg aaacaaccgt gacagagatg 600
acaacattgg aaaagatatg gggcaagctc tttgaggaag gcaggccaac caagagacta 660
ggccagctct tgcgtggcat agcagttcat ctggtaagca tggatgtcga tgattggagg 720
atttttgcgt ctgacagtgt gcaagatcga ggactaccct ccaggtaa 768

<210> 16731
<211> 726
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (303)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16731
gctggaggaa gaacacacgg agtgggtcga ggaagaactg ccagagtacg ttgcgaaatc 60
cccgcaccaa cagcgtctat gttactaaca acccccgaca gctggcagcg cgcaatctac 120
accgtcaacc cctccaaagc aaccgtcgca gacaccaaga agctcaccac cccgctgaac 180
aaaggccacg agtccatggc ctacctcacc tacctgatcg accattacga ctccctcccc 240
tccaccatcg ccttcttcca ttcccaccgc gcgggcttct tcatggcctg gcacgtcgac 300
gcnccgctcc acgataacgt agcagccatg cgcgctctcc agctcgattt cgttcagcgc 360
aacggctacg tcaaccttcg ctgcaactgg aaccctggct gcagggccgc cgaccgtctc 420
aaccgccacg tcactgagca ggtctgggcg gagatcttcg acgggacgag tactccgccg 480
ctgaacgcga cgacttcccc tgcccgggca gcagtgcccc agcagaagtt tctggcgaaa 540
ccgaaagaaa tcggcgccgc gtgctgtgct caattcgccg tgtcgcgcga gcaggtcctc 600
cagcggccgc gcgaggacta tatcagattc cggcagtggg ttatcgatac cgacaaggac 660
gatgcgtcga gtgggcgcgt gatggagttc ctgtggcatg tgattttcgg ccaagaggct 720
gtatag 726

<210> 16732
<211> 192
<212> DNA
<213> A.fumigatus

<400> 16732
gttgctccac tgattttgca ttccttcgag gtcaataagc cacacataca gcaatgtcta 60
tctaccagat ggttagttgg taggcaagga tcaaagtcaa tgcgagatgc cacagctact 120
atcagtttcc tatgtttaga ttcacagaac aacaaggagg aagaaagtgg cctgaaagtt 180
cacacttgtt aa 192

<210> 16733
<211> 456
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (442)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16733
aggtgcacct ggaagatttc tgcgaccagt accgtgcagg cacatatctg gtcgactgga 60
ccaaatcgcg atatttcccg cagactgtcc ccaccctccc taatggacaa acaggcgaca 120
aaatcatcgt catggctaag ctggaggaag aacacacgga gtgggtcgag gaagaactgc 180
cagagtacgt tgcgaaatcc ccgcaccaac agcgtctatg ttactaacaa cccccgacag 240
ctggcagcgc gcaatctaca ccgtcaaccc ctccaaagca accgtcgcag acaccaagaa 300
gctcaccacc ccgctgaaca aaggccacga gtccatggcc tacctcacct acctgatcga 360
ccattacgac tccctccccc ccaccatcgc cttcttccat tcccaccgcg cgggcttctt 420
catggcctgg cacgtcgacg cnccgctcca cgataa 456

<210> 16734
<211> 726
<212> DNA
<213> A.fumigatus

<400> 16734
gcgtcatcac taagatatct ctcgcaggga tacaaagcag taagggacgc tgtcctcttc 60
gccatcgaag tcagcgattc aatgttgact ccgcgtccat catctgatcc taagaagaga 120
gtggaagaat caccaaccac cgcggcgctg aaatgtgcat actacctcat gcaacagcgc 180
atcatatcca atcctcgtga catgattggc gtattattgt acgggacgca ggcgtccaga 240
ttctacgacg aggatgagaa cagccggggc gatctatcgt atcctcactg ctacctttt 300
acggatctag atgtcccttc agcacgagag gtgaaagaac tccgtgctct ggcggaggac 360
gaaggcaaag caagagatgt gcttgtgcca tcgaaagagc gggtctccat ggccaatgta 420
cttttctgtg cgaatcagat cttcacatcc aaagccccca actttctgtc tcggcgattg 480
ttcatcgtca cagacaatga taaccctcac ggcgatagta ggagtcagcg atcggctgcc 540
accgttcgcg cgaaagatct ttacgatctg ggggtgacca ttgagctgtt tccgatctct 600
cagcctgagc atgagtttga cagctccaag ttctatgacg taagaccagc caccgttgac 660
tgtcagtgga ggcaacttcg tggctcacat cgtataggat atcatctaca aaacctcacc 720
aactga 726

<210> 16735
<211> 1014
<212> DNA
<213> A.fumigatus

<400> 16735
gatatcatct acaaaacctc accaactgat gcggaggctc ctgtgtacct gaaagatgat 60
tcaaaggtgt cgactgcctc cggagatggg atctcgctgc tgaacggcct cctatccagc 120
ataaattctc ggtcggtccc gcgcagagcg cattttttga acatgcctct ggagcttggg 180
ccgaatttca agatctccgt gacaggatat ctcttgttca aacgccaggc acctgcacgc 240
agctgttatg tctggcttgg cggggagaag cctcagatcg tcaaaggagt aactacccag 300
atcgcagacg atactgctcg caccgttgaa aagtcagaga tacggaaagc atataagttt 360
ggtaacgatc aggtgtcatt cactcccgag gagcaaaagg ccctgagaca cttcggtgac 420
ccagtgatcc gtatcattgg attcaagcca ctctccgctc tccctttctg ggccaacgtc 480
aagcacccat ttttcatcta cccttctgag gaggattacg tgggctcaac gcgcgtattc 540
tccgctttgc accagaagct tttgaaggat cacaagatgg ctcttgtctg gttcatcccg 600
cgcaaaaacg cagctccagt gctcggtgca atgatagcgg gtgaagagaa ggtcgacgaa 660
aatggcgttc agaaatttcc ccctggaatg tggattataa ccctaccata cgcggacgat 720
gttagacaga atcccgaaac gaccctcaat gtagcgccag agccactgat cgaccaaatg 780
cgaacgatcg tgcagcagct gcagcttccc aaggcgtcat acgaaccgca gaaatatcca 840
aatccatgta agctgggcaa gttcaattta ttgacaagta acgctgattt gctccctgca 900
gcgctgcaat ggcattatcg cattctacag gccctcgcat tagatgaaga ccttcctgaa 960
aagcccgaag acaaaacaat ccctaaatac cgccagatcg acaaggtagg ttga 1014

<210> 16736
<211> 420
<212> DNA
<213> A.fumigatus

<400> 16736
ggcaggaaac tgtgttttca ggtaagtctg gtatctgctc atgcgtcagt caacttgctg 60
aacaatggaa cttcctccag gtatacaacg aaagcattcg gcccggtcat ggcgaaagct 120
gccactctta ccatagtgga ggcggaaaat atcgttcccg tcggttccat tgaccctaac 180
gatgtcgatc tgccgggcat ctttgtggat cgagttgttc ctgctacggc agagaagcac 240
atcgaaatca gaaaattgcg gactccagaa aatgaggatg tgactaagac cttaagtgac 300
cctgccatgg ctcagagaaa ccgcattgcc cggagagcag cgaaagaact aaagcaagga 360
tattatgtta atctgggtgt tggtgagtac gctagtcttc taaagctcct caagcgctga 420

<210> 16737
<211> 447
<212> DNA
<213> A.fumigatus

<400> 16737
ctagcttgca gggacatcat caatgctggg aaagagacgg tcaccctcat gccaggcgcg 60
gctactttcg atagcactga atcgttcggc atgattcggg gcggacatgt tgatgtgtcc 120
atccttgggg tgagtgaagc agattatgct tgtgaacgga tagagtaccg ggttaatgat 180
aagcaggccg tgcaagtgag cgccaaaggc gacctagcga actacatgat tcccggaaag 240
gtcttcaagg gaatgggagg agctatggac ttgatctcta atccagacca aaccaagatc 300
gttgtcgcta ccagtcatac agccaaggac ggatctccca aggtcgtcgc ggaatgtagc 360
ctgcctttga caggcgcaaa ctgcgtcagt acgatcatca cggaacttgt aagtctatta 420
actcgcgtgc aacctcagac tctatag 447

<210> 16738
<211> 438
<212> DNA
<213> A.fumigatus

<400> 16738
agtcacggcc ctgcttttct atcctgggtg gcatacttct cttcttgctg ccaaggaatg 60

gcgactttgc ggggttcagc aatcgtatct cctatgtgga gaacacatac tgtcacccgt 120
ccacggttac acttagggac atgttataaa gcgtgtgcgc gacctggtct tctaacaaca 180
accattcgct atgtacgata ttcaactgcc actccgccgc aacagacact tgcacccaag 240
attgagcgtg gcgtttcaaa actattcaga gatgcagatg aggctgtcag tgacctcaag 300
agcggatcta caatcctgag ctctggtttt ggcctttgcg gcgtcgcagg taaatttctt 360
cccaacaaga agggttcaac agacaaattg acattactca gatacacttc tatcagcgat 420
caatcgcaga ggagttga 438

<210> 16739
<211> 228
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (31)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16739
attgcactta cagttctgat tttactttat ntcgcagaca cgttactcca agcaggagaa 60
attcccgtcc ggctagatga gtctggaaaa gtattggagc gtggcacacc acgagagacg 120
aggatattca atggcaaaac ttacttgatg gagacagccc tcacgggtga tgtggctatc 180
cttcgtgcct ggaaagcaga tgaggcagga aactgtgttt tcaggtaa 228

<210> 16740
<211> 228
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (117)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16740
agctcctcaa gcgctgacac tcgctcagga attcccacac tggctccgtc attcttacca 60
gaaggcacga aagtttgggt gcaatcagaa aatggtattc tgggcatggt ggggtancct 120
gcgaatttgg ccaaacaaca tcaactaacg gatataacta gggaccgtat cccactgagg 180
acgaagttga cccgtaagtt ctatccattg aacttggtat acgcatga 228

<210> 16741
<211> 234
<212> DNA
<213> A.fumigatus

<400> 16741
cattactcag atacacttct atcagcgatc aatcgcagag gagttgaaaa tctgcattcc 60
ctgacagccg tttcaaacaa cgctggcgct cctggaagag gagggctttc tacacttact 120
caagccggac aagtagatcg gttgatccta tcctatctag ggaacaacaa ggctttggag 180
aagaagtatt tgactgggaa gattgtaatt gagctatgtc cccaaggaac ataa 234

<210> 16742
<211> 231
<212> DNA
<213> A.fumigatus

<400> 16742
agtcgtcttc cttgcagaga ccatatacaa aagggaacag ctcaattcct tcgaatcgac 60
gttgtatatc ccatgcagag cacgtcactc tgtcaagtct cactggagga tggaaatggt 120
gctaacctcc gcttcccct caaaattccg aaggatggtt ggattgaggt tctatacatg 180
atgtctacac gaaatgttat ctacatgaca gccagcattg atcaggtctg a 231

<210> 16743
<211> 192
<212> DNA
<213> A.fumigatus

<400> 16743
tgccttggtc gcatcatgat gctgatgcat tctggttact ttcctggtga agtaactgtt 60
ggttggactg ccattgccag cacagaacag aacagaacag agaacaatct gattctgaaa 120
tccgacatga ctaatctgcg gagtacaatt gagtacaatg cccaaaatga cgcgcttaaa 180
cctcgaaact aa 192

<210> 16744
<211> 639
<212> DNA
<213> A.fumigatus

<400> 16744
ggcacttcat ctttactctc ctcgccttgg ccaccacctc agccttggct caggatcccg 60
gcccatcgcc tacagcctct gtcggctgca agccacatgg cgaccactgg taggacacgc 120
acgaaagcca tcgacccagt aaaactcaca acatataggc attgtgatgg tccagcaaca 180
ggagccgcta ctgctgccac cgagctgtcc ctcgttccga gtcccactga gtctgtggga 240
tgcgaacccc acggagacca ttggcactgc gacgggcccg cgtccgccac ggctgtgcca 300
acggcgactt ctgatgacca cgaccacgac cacgaccatg atcacgatga cgaccatgat 360
gaccacggca ccgcgacacc gactgtccct agtcccacgg cgtcggttgg atgcaaaccg 420
cacaacgacc attggcactg cgatgggccc cgggagactg gcagcccttc tgcgagcgtg 480
aacgaggcgt ccgcttccac tttagtctcg actacttcat ctactacagc gtctgcgact 540
ggggcacaac agtcgggtgg agcaggctct ttgggcgtgg aattgacggg ggcggttggt 600
ttggctttgg ctgttgccgc tgcggcgttt catgtgtga 639

<210> 16745
<211> 948
<212> DNA
<213> A.fumigatus

<400> 16745
gccaggacta aggtattcac catggactcg ctcaattcgt cctatccgca gtccgccatg 60
gcgacctatt ccgatcttct cgacctcgcc gctcagcagc aacctcatct ctctggtctc 120
gagagacttt ggtgggcgca ttatgcctac tgggacaata acattgtcgc aactggtaag 180
tggcacaaac ctaacggacc accctcgtca atcctaatag ctacaggaat catcaccttc 240
ctcgcccacg aaatcatcta cttcagccgc tgtctccct ggatcatcgc cgactccctc 300
cccagcatct tcctgaaata caagatccaa gaccagaaac ctcctccatc cgcagcagag 360
caatgggctt gcacaaagta catcctcctc atccactttg tcgtcgaact ccccctcatc 420
gtcctcttcc acccaatgat ggaactctgc ggcctgagct tcaccatccc cttcccagat 480
ctccgcactc tcaccgccca aataattatc ttcttcctcc tcgaagacac ataccactac 540
tggctgcatc gcgccatgca ctggggcccg ctctaccgct ccatccaccg catccaccac 600
caatacgccg cgccctttgg actaacagcc gagtacgcga gtccctggga gactctcctg 660
ctgggcttgg gtaccatcgg ccctccattg ctcctggcac tgatggactg caacgtgcac 720
ttggtgacgg tgctggcgtg ggtgacgctg cgacagttcc aggctatcga ttcacattcg 780
gggtacgatt ttccctggag tctcaggcgg attttgccgt tctggggtgg agcggattgg 840
cacgatgatc accatcgata cttctggggg aattattcca gttcgtttag gcactgggat 900

ggtaagtgct tcctgttatc cttcgggata tccgctaacg gggtctag 948

<210> 16746
<211> 264
<212> DNA
<213> A.fumigatus

<400> 16746
gtgcacctca tccttatcct gagcggtaat aatacttttt acaagccaga agtactacct 60
cagatcttga ctttttctca aggtaagcaa ttgttgatta aggagctacg cagtccgcgt 120
ggtcacaaaa gccagccatc gaaccctcct cctcagcaac ccctcatttc tttcctcccg 180
gaggagtata gcttgcgttt ccctttccat cattgtagta tgtgctacca ttgggattgg 240
agtagtagta tgatccatcg ctga 264

<210> 16747
<211> 243
<212> DNA
<213> A.fumigatus

<400> 16747
acgaagcttt gccttgtccc tcccacctat ttatcgacgc gcttccccca ttccgccttt 60
cccccacttc agctctttcc accctcctct ttctcttcat ccactccaac ttctcacaac 120
cgactaatct acaacactga aagttaccag cccaccatgc ctcagaacca ggactacacc 180
tacaagagct ccggcaccaa cagccaagtg aaccctccct gtctctctcc attcacaata 240
taa 243

<210> 16748
<211> 222
<212> DNA
<213> A.fumigatus

<400> 16748
ttgcgctatt tgcatgttgg aagcagagca cttccgatac caactaagct attacattac 60
aataagacta tcgatactca cgatgataat aatacgttcg tgccagccct gaaaatcaag 120
cctgccgctt ctcccgctcg gcgcgtctct tctccctcgc ttccggacca gcaaccgtac 180
ccatcaacac tagaccccgt tagcggatat cccgaaggat aa 222

<210> 16749
<211> 507
<212> DNA
<213> A.fumigatus

<400> 16749
tcggtcgttg gtatgctaga caataaccgt tgcagggcga atatcttctt tgtcatctat 60
gcgtcaaccc aggtagctga gattgtcgcg agccctctga gtgcctggct catgtccagg 120
acaccctggc tgccgtactt cctgggagta ctgttcatgc tttgtggcct atgtgcttcc 180
ataactgtac cggagacgct gcccaagtcg accaaattga gcgagcccga cactgaagac 240
gacgaggctg atgatgacgc accacggacg gtccgttatc gtctaaaggc cgtcttgcat 300
catgccaggc atcagatcat gcatcacagc cggttcatct tcgccgatcg caacattggt 360
tgtatctcca tcgcccttct ggcggcaaac gtggctatcc agtcccttgt gatcacgcta 420
caatacgtct caaaacgctt ctcatggtcg atggcagagg tacagtccta cagtttcact 480
ctccactact tgtctttcct gacttga 507

<210> 16750
<211> 813
<212> DNA

<213> A.fumigatus

<400> 16750
tgttcttcgc tgacccaagg caggattgat actccgggag tcattcagcg cgtctccacc 60
ctttttaatg ggcatcccgc tttgatccaa ggattcaaca cgtttttgcc gccaggctac 120
cgcatagagt gtggaacaga agacaatcca gatgcgatcc gggtgaccac cccttcaggc 180
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gacttgaaca agcgcgggcc agtggagttc aaccatgcaa tcagctatgt gaacaagatc 720
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<210> 16751
<211> 1011
<212> DNA
<213> A.fumigatus

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<210> 16752
<211> 447
<212> DNA
<213> A.fumigatus

<400> 16752
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cctggagctc cgtcgcacgc tacaggacac tcgttaccgg gtatcggtca gacaatgcaa 180
caccccttctc cccagtccct caaccgagag cgcgagcgag attcaagaga acgcgagttg 240
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gaacgtgagc agttggaacg ccagcaactc gagcgtcaac gtgagcagca gcatcatcct 360
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tccattcacg ggcccaatgg gctttag 447

<210> 16753
<211> 189
<212> DNA
<213> A.fumigatus

<400> 16753
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acccaaccca acaagagcag caagctgcag cgggtgccgc agcaatggct caccagcaag 120
accaacgtgg tgtctcacaa cttcagggcg ccgcagccgc gtccgctgcg atgggccgag 180
ctggaatga 189

<210> 16754
<211> 603
<212> DNA
<213> A.fumigatus

<400> 16754
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gaaatcttgc agacatatca acgcgaatcg aaaccgattc aggatgtcta cgctcaggta 180
acccagttgt tcaataccgc gccagatttg ctggaagact tcaaacagtt ccttcccgaa 240
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tga 603

<210> 16755
<211> 339
<212> DNA
<213> A.fumigatus

<400> 16755
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cttcaccaca ggagacgacg gacccgcgca aggatccac 339

<210> 16756
<211> 369
<212> DNA
<213> A.fumigatus

<400> 16756
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ttctactatt ttgaggaggc gcccctaaga tcggaagagt tctggcggct gaacatcttt 180
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aaggattgga cgccgcccaa cctgaagcaa ttggaaaagg attgcgctgg gggtaggcag 300
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cagaggtga 369

<210> 16757
<211> 306
<212> DNA
<213> A.fumigatus

<400> 16757
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atcgcatacg ccgtccacca caccctattc ctcgtctcca tcatcgccgc actaaaggtt 120
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tacacgtacc ccaaccccgc cgcatcaatc ggcaacgcat acgccgccaa gagcaaacaa 240
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tggtag 306

<210> 16758
<211> 264
<212> DNA
<213> A.fumigatus

<400> 16758
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tcaagccacc gcgagcgcac cattgcaaga cctgtcagag gtgagattct gtggctcgaa 120
agcggttccc gactgacgat ttgcaggtgc attccaaaga tggaccacca ctgtccgtgg 180
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tgtagtaggc atgggttatc ttga 264

<210> 16759
<211> 213
<212> DNA
<213> A.fumigatus

<400> 16759
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<210> 16760
<211> 501
<212> DNA
<213> A.fumigatus

<400> 16760
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tgcgcgtcaa gcgccagata g 501

<210> 16761
<211> 666
<212> DNA

<213> A.fumigatus

<400> 16761
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<210> 16762
<211> 933
<212> DNA
<213> A.fumigatus

<400> 16762
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<210> 16763
<211> 219
<212> DNA
<213> A.fumigatus

<400> 16763
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tccgatccag ctcgcgaact ctcgcagcag ccatctcctg catccccccc cgccacatcg 180
ccgagtttct cgtcaacatc ttcttcaaac acgccgtaa 219

<210> 16764
<211> 513
<212> DNA
<213> A.fumigatus

<400> 16764

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tccggtgagg aatctagagt tgtcaatggc tcttcttttc agctgatggc cctactcgcg 480
gatcctggat caggtattta ctctgtccat tga 513

<210> 16765
<211> 600
<212> DNA
<213> A.fumigatus

<400> 16765
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gcttcagaac tccgtatgct gacgattgga gtactcaacg tgcctcgcac ccagtcggta 540
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<210> 16766
<211> 744
<212> DNA
<213> A.fumigatus

<400> 16766
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gttttattcg agaatcagca agaccttctc tcgcttgcag aagaactctt caaggacgtt 360
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ccaggagcgt ccggatacac gcgaaccaga gatctagagg gtctcaaccc atggtcagtg 660
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accgcgggct caggagctct cagg 744

<210> 16767
<211> 219
<212> DNA
<213> A.fumigatus

<400> 16767
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tctttcgcct gtttgtccat cctgcaaaca attggagagt tggatatggc cgcaattgac 120
ttgaccactg tctcgctact gggacgtgcg ggaacagaaa agaagctgcg gcacaataga 180

accactgccg gatttattac gcgtcctgta cttccttga 219

<210> 16768
<211> 372
<212> DNA
<213> A.fumigatus

<400> 16768
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gagcggacca gtcaatcagg aaggcgtccc gacccacaac accaaagtcg agatccaggt 180
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ccggggcttt ga 372

<210> 16769
<211> 534
<212> DNA
<213> A.fumigatus

<400> 16769
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cgcaccccat tcaccggcgt cacgcccgcc cagatcgacc tgatcgggac gctggccgtc 180
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atcggggtca tctcctccgg caccggcgtc ggcggcgtcg tatgggcccc tgcgctgcgc 480
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<210> 16770
<211> 1239
<212> DNA
<213> A.fumigatus

<400> 16770
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<210> 16771
<211> 357
<212> DNA
<213> A.fumigatus

<400> 16771
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<210> 16772
<211> 528
<212> DNA
<213> A.fumigatus

<400> 16772
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cccattcacc ggcgtcacgc ccgcccagat cgacctgatc gggacgctgg ccgtctccat 180
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<210> 16773
<211> 744
<212> DNA
<213> A.fumigatus

<400> 16773
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cctactccta gcagcagctc cgagtccgac agcgatgagg agatggagtc taccacttcc 240
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<212> DNA

<213> A.fumigatus

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<210> 16775
<211> 204
<212> DNA
<213> A.fumigatus

<400> 16775
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tggggacttg attacccacc tctgacggca tatcatagct ggctgctggg gaagatgtac 180
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<210> 16776
<211> 1413
<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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<210> 16778
<211> 207
<212> DNA
<213> A.fumigatus

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ttcttcttcg gcgacgcact atattga 207

<210> 16779
<211> 558
<212> DNA
<213> A.fumigatus

<400> 16779
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<210> 16780
<211> 657
<212> DNA
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<210> 16781
<211> 357
<212> DNA
<213> A.fumigatus

<400> 16781
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<210> 16782
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<212> DNA
<213> A.fumigatus

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<210> 16783
<211> 207
<212> DNA
<213> A.fumigatus

<400> 16783
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gtcatccatc aacggctcgt tttctga 207

<210> 16784
<211> 234
<212> DNA
<213> A.fumigatus

<400> 16784
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<210> 16785
<211> 1680
<212> DNA
<213> A.fumigatus

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<210> 16786
<211> 561
<212> DNA
<213> A.fumigatus

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<210> 16787
<211> 462
<212> DNA
<213> A.fumigatus

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<210> 16788
<211> 459
<212> DNA
<213> A.fumigatus

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<210> 16789
<211> 1431
<212> DNA

<213> A.fumigatus

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<210> 16790
<211> 930
<212> DNA
<213> A.fumigatus

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ccggaggact accagccact tatcgactgg gggttcgtaa caacgcccca gcctggtgca 420
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ccttcggggg gtcctctgca ggtttctttt ggcaatagtg tcgatgtgtt tggaacttgg 720
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ctgctaggag ctgcatacgg aacctccacg atcaacccga agaacgcaca gcgttcgtcg 840
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<210> 16791
<211> 210
<212> DNA
<213> A.fumigatus

<400> 16791
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aaggttgttt tgtttaaaaa atcccttgtt tcaaacttct caaacatcta ttacctaatc 180
tcttttaaca ctaagttatt tgttcaccac 210

<210> 16792
<211> 1158
<212> DNA
<213> A.fumigatus

<400> 16792
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tgggcgcaga aaatcctgtt tgacgagaac aaggccgcaa cgggcgtcca ggtctcaaca 180
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gaccagctct caaagttcgg cattgactgc atccacgacc tgccgggcgt tggccaaaac 360
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ataacgccag gacacccgca ggcggtggtg tatgcactcg cggagaagat tgcagatgtt 1140
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<210> 16793
<211> 1002
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (218)
<223> Identity of nucleotide sequences at the above locations are unknown.

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gaaaagggag ggggccaaca tcgagtattt gttggaattt tttggattta tttttgcgaa 180
cacggacgcc cattaacaac aagtccaacc cagattcnag ggtccattgg ttttgttctt 240
cgctgggggg gacgcagaga cctaccaaga gatctgagtg atttaattca agcggaggac 300
caaacaaatt caccatgttc tcccgaacaa cgatggcaag agcgttcgcc ctacccttgg 360
gagcagcagc acaacgcaat cttgcgcccc agcttccgcg catgcgttca ccaagccacg 420
aacacaagca gcagcagcag cacatcacac ctcgagaacc ctctcagcgc cacaccacag 480
gcccaatcct ccacgcctac cgctcaaact ccacccagac cctcacagga tcaagcgtca 540
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cactacataa ccgcgcacct ccacgcaaga ccctacctcc tgaccgcagg cgaccatctc 660
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tctgtgctcg gttcgcgcga cttcacgctc aagggagcac cttatattga tgagcggctg 780
tttgagtgcc gggtgagggt tatgggcgtg gatgcggagc caatgcgggt gaaggagaag 840
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<210> 16794
<211> 369
<212> DNA
<213> A.fumigatus

<400> 16794
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gcgtctgcag ctgcaccaga tcatcaggaa actcctcgaa acatttcctc aagatcctct 180
catactccac cggctccaag ccagccgcct cgcgattcac cctcgcaaga atctgatcgt 240
acaaccggcg ccctttccgc gtcagcgcat acccccgctg ctcgacctcc ccaaaccgcg 300
ccgtatgcga gcccctcacg tactcacccc ccgcatcacg aaagtagacc gtctcctcca 360
gcgccttga 369

<210> 16795
<211> 639
<212> DNA
<213> A.fumigatus

<400> 16795
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ataacagaag aaagccagtt tctgcgtctg cagctgcacc agatcatcag gaaactcctc 180
gaaacatttc ctcaagatcc tctcatactc caccggctcc aagccagccg cctcgcgatt 240
caccctcgca agaatctgat cgtacaaccg gcgccctttc cgcgtcagcg catacccccg 300
ctgctcgacc tccccaaacc gcgccgtatg cgagcccctc acgtactcac cccccgcatc 360
acgaaagtag accgtctcct ccagcgcctt gaagctcgtc tgacgcagga gaatggggtt 420
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cctctgcacg agatcaatgt cgatcgtccg cggggtcaaa tggttgatgt ggcagctggg 540
gaaggagacg atatcagcca ccaggggatg ctctgccttg agaatgcggt actcctccag 600
cgtgaccgcc gcccgcgaat gccaccggaa ggtctctag 639

<210> 16796
<211> 1113
<212> DNA
<213> A.fumigatus

<400> 16796
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cactaccatc aaatcggcaa cttggttgcc gcttccaagg cctactcgcg catgagggac 180
tactgcacga cacccagcca tatcgcgtct atgttgttca agattatcaa tgtggcaatc 240
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<210> 16797
<211> 378
<212> DNA
<213> A.fumigatus

<400> 16797
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tacggctcgt atcaggatct cctggacgat ccggacgtcg atatcgtgta catttccacg 180
ccgaacagcc tgcactacga gtgggcggcg aaggcgctcc aggccgggaa gcatgtgctc 240
tgcgagaaac cgttcacggc gaatgcggac gaggcgaaga agttggtgga gctggcgagg 300
gagaaggggt tgattgttga ggaggctgta agtctctttt ctttttctgt ttgcgcggca 360
ggtgcagcgg ggtggtga 378

<210> 16798
<211> 654
<212> DNA
<213> A.fumigatus

<400> 16798
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caggagatca tctccgtcag cgtgcggccg tccaaggatg acccgcgcgt tgacgaagcc 180
atgtacgcgc atatcgactt ccaaggcccg gacggcaacc ccgtgcacag ccgcgtgtat 240
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taccactaca tctccatcca ggataagacg acgggcaagg tgagctataa gaagcagtac 420
tctggtggtc ccttgtgggg caatgttgtg accagcacgg gggagaaggg cggaaatccg 480
cactggagta catatcggtg gcaactggag gcgtttgtgg atgcggttaa gggcaaaacg 540
ccggcgtatt gggtcagcgg ggaggagagt atctggcaga tggagtcgat tgattccctg 600
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<210> 16799
<211> 258
<212> DNA
<213> A.fumigatus

<400> 16799
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gctacattcc tacaccaata cgtctactcg tggctccata gcatccccag taaaaccccc 180
gacgcattga aactcggcgt catctcaacc gcccagatca accctgcagc cagtaaagct 240
tactttgttt cgttttga 258

<210> 16800
<211> 759
<212> DNA
<213> A.fumigatus

<400> 16800
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aacgcgcggg tcatccttgg acggccgcac gctgacggag atgatctcct gcgggagctg 180
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cgcggccgga tggaactgcc aatggaacta catctgtcac caccccgctg cacctgccgc 480
gcaaacagaa aaagaaaaga gacttacagc ctcctcaaca atcaacccct tctccctcgc 540
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aatgtacacg atatcgacgt ccggatcgtc caggagatcc tgatacgagc cgtaggcttt 720
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<210> 16801
<211> 240
<212> DNA
<213> A.fumigatus

<400> 16801
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agaaagcaag tcatcagttc atcagatact gtcaaagatc ccgtcaccat ggtccccgac 180
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<210> 16802
<211> 2076
<212> DNA
<213> A.fumigatus

<400> 16802
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caggaagttg cgcatctggt cggagccctg gaggcctcca gtaagaagaa tagaagcgaa 240
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<210> 16803
<211> 690
<212> DNA
<213> A.fumigatus

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caagatgaac acggatactc tctcttgcac gccgcagctt cgtatggcca tgctgacctc    180
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<210> 16804
<211> 2172
<212> DNA
<213> A.fumigatus

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tcaaagtccc aatatgagcg ccgatatgtc gagcatctcc ggggcagtat tggttcccta 1920
cagcagaaga aaagaaggga ttatattaca ataaactcta gccaactgga ggcagctctt 1980
ctcgactacc ttcatcattg tgaaacgtac tgtgagcgcc tgtacgacgc catgaggatg 2040
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<210> 16805
<211> 3504
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (23)
<223> Identity of nucleotide sequences at the above locations are unknown.

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gaaattgaaa atagcatgtt gataagagag gtccaggaac agattgctcg gagaatgaga 240
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cgcttggacc tgtacaatat tccaagccgt cctgactcta tcgatatacc agacgactta 3180
aagatacagt tgaatctatt cgcgggtcaa ctgtatattg cctcataccc cgagtacctc 3240
agactgtgtg acactcttgg ggtagcctct gctgcaacac cagataattt cactgttgcc 3300
gctgacgggt tcattctgca gggcaatgtg acttcaaagt cgaccttcag tcagagcccc 3360
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atcgaagagt ttacgcccac aagt 3504

<210> 16806
<211> 2106
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1949)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16806
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gcgtatcagc gccaagcgga ctcgatgaag gtgagcgtcc acgaatggcc acttcccagt 180
aatcgtttgc aagcaaagtc cacggtgttc gagctgaacg tacctcgccc ctttggatgt 240
tggcgggata tcaccatgtt ctttctcgtt gatgtcctgc acattcaata tatctccaga 300
gacgaaccga gggccgaaca cacgctccag aattacggcg gcctgtcgcc tttttatact 360
gctgttcaag gcgtcgggcg agtcggcctt ctatcacaga ataaaccgca cgaacggaca 420
catcggctga aaaagaaaat catcaacgtg acagaagatg acgtctgcgt caacaacggc 480
ctgcttctcc ggtatttcga tttctcgatg cggacgttcg tcgggggctt taagatgtcg 540
gacgaaattg caaacttatg catgtataag ttaccaaaaa gaagtacgga cctacagcag 600

tttctatttc ggccattggg caatccagat gggccatcgc ccaatacagt tatcgcatcg 660
caggattgct gcccggtggg gatgtcgctt gaggagtaca gatccctgtg taccatgcca 720
ctcggagtcg agatccagtg gcaaaatatc cttcgccagc tggccatgcc gtcgatcgat 780
ctcaagaagg cagagacttg catctttatc ctgcagatca tcaaccaagc tggcccatca 840
accgcgagcc gggttacgag gacggcacat gacatcttaa acgacaccgc gtttacgacc 900
gcgttgttag gacgagttta cgacatcgcg gcgagactag aggagaattg ggaaatggca 960
caagggctca gcgctctgag tgccttggta ctcagaattt tggctctatc gccctccgca 1020
gacgtgcggg agatatgcct cactacgctt cagcatctcc gcaaagtcgc ctttgcctgg 1080
gtcaagatcg ttaccgagaa agccagctct acgactgacg acagacgcag aagcgacctg 1140
ctgatgcgga gcggtcaact agcgttaata tgcgccacaa cgttcgatgc cgaagacatc 1200
gtcttggttc gaatgctgga gaatccatcc gatactgcag ttttacttca atgttgtatg 1260
ctcataaacg acacacggcg tttcctgtgc gagggatccg gctcctcccc tttaatcccg 1320
atccttttc gtcgctggca agtcctgtgt tatcgctgtt tgccggtcct gaggcaaaat 1380
atcctccagc gcgcggactc gtcgctggat atcgctatcg gacagatatg ggtgacgtat 1440
cgcgctgggt cctcttggaa ggcatcccca gaggcgccaa tctgttggct tgtcactagt 1500
ctcccaagcc agtccgagca tggggtcgat ctgcccgttc attataacct gctaactggg 1560
gatcttctcg tcaacggcct tcccttggct cgactgccct cggaatatga gagacatgac 1620
acctacagaa ccctttttcgg acaatcctca ctggaggtga tgccgagtgt gatcccgggg 1680
atggatttca cctgtcgaaa gaaatacatg ggacacactg tgagcttctc gaggagaaag 1740
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gaatttatac ctcccagact tctgatgggt tccttccctg acgcttttct gacgggctgc 1860
gtgcactggt acaacgttca caatgactat gtggaattcc ggcccataga caagccttgg 1920
atatcatcca ctttcaattg gaggcttcng aagaccagcg cgcacgacct ctggcggcta 1980
gcccaagaca ctttattctt ggtcagcgtg aaaagtcgaa ccgcagaagt gattgccgcc 2040
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gtctag 2106

<210> 16807
<211> 213
<212> DNA
<213> A.fumigatus

<400> 16807
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atcaaggaag accaaacatg caccaagctg ctttgcaaag ggcgagacct gcagcagctc 120
tacccgtctg ttccggtcaa gaacacatat ctcatcattc tcattgacga aaatcaccgc 180
ctgagtctga gtgttgtctg gtatcagatt taa 213

<210> 16808
<211> 198
<212> DNA
<213> A.fumigatus

<400> 16808
ctagtaatgg ttaggatggt cgtggtaggg tatagctata cctccacacc acttcttgtc 60
ataacgttat atagtaagca gtcaaatgag ccattcctgg aagatcaacc ctcttacacc 120
tccgttagtg aggtctttcc cgctacttgt ttgtacagag cctataaatt agaatcctat 180
aacatactca gctactag 198

<210> 16809
<211> 1122
<212> DNA
<213> A.fumigatus

<220>
<221> unsure

<222> (790),(821),(1015)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16809
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gttttgtatc tctcttccct tgccgtggga tcctgggtag ccaagagact cctggacgaa 120
tatgccgacc tcccactgca tctcctctgc tccagcatcg aggtccactc ctatgatgag 180
gcctacaatt atctcctcta ctggcttatg aagcaaacat tcgacgcaaa caaaaaccgc 240
ttgctggctt taacgtcgct gacgagcggc caggggggtt tcttcggcga agacaccaac 300
aaggacaatg atgcggccga ggaggacgaa ctggaggtcc acgcggatgc agaatacaag 360
gcctccctgg cgaatacccg tcccttgctc tggactccct cggcgggaac acactggttc 420
cgatatcgcg gtcggtttct ggcgctcacg cgggaggtag aggaaaatcg gcaaacagtg 480
tacacgcgca cagagaagct gcgggtctct tgtttgggat gggatccagc cattctgaaa 540
gagttgatgc aggatgctcg ggtggcgttc tcgcaaaagg agaaggggag gacagtgatc 600
taccgcgcca tgaagtcgat ttacgatggc gagttggctt ggaaaaggtt gacttcgcgt 660
cctgctcgac cactgtccac agtcattctg gacgaggcag tcaagcacgc gtttctcgaa 720
gacattcagc actatctgca ccccagtacg atgcgctggt acagcgaccg tggcattccc 780
tatcggcggn gatacctgtt ttatgggccg actggcacgg ngaagtccag tctcgcgttc 840
gccccaacaa gggtttctcg gcttgaatgt gtacatggtc aacctgaact cgcaacaact 900
tacggaggat gccttgacgc agttgtttct gacgcttccg gagacggtgt ctggtgctgc 960
tgggaagata tcgacgccaa ggaagtaact ggtcgttcgc aacccaactg cacgncgccg 1020
aaaggggaag aacgggatct cgctctcggc cttgttgaat atcatcgacg gcgtcgcggc 1080
tcaggaggcc cgggtgctga ttatgacgac gaatcaccat ga 1122

<210> 16810
<211> 597
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (27)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16810
ctggtcgttc gcaacccaac tgcacgncgc cgaaagggga agaacgggat ctcgctctcg 60
gccttgttga atatcatcga cggcgtcgcg gctcaggagg cccgggtgct gattatgacg 120
acgaatcacc atgagcacct agatccggcg ctcattcgac ctggccgggt cgactacaag 180
ctcgagtttc agctcgccag tcgagatctc tgtgcgacca tgtttcggaa tatcttccag 240
gtctacacac cgtctgaagt gggcagtgca caggttgccg cctcttccac tcagggtggc 300
ctatcggaaa aagacgggtc tacagcgatt gatctccaag atgtcgccaa agtatttgcg 360
gggaagattc cgcccggtac cttttctcct gctgaggttc agggatattt gctgcggtat 420
cgagattcac cagaggatgc tgtagcgggt gtcgaatcat gggttgaagc atcgcaggcc 480
gagaaagcag ctaatgacca agtgcttgaa gacaaagcag cccaaagtag tgagagtgaa 540
tctgaggacg attctgagga tgacaatgag gagcagccag atgaagacgc atcttga 597

<210> 16811
<211> 789
<212> DNA
<213> A.fumigatus

<400> 16811
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ctcagccgtc ttcgcctcct ccctacgatg ccgactttgc gctgcggtta tgcattcaac 120
cacgaacgtg ttcaatcatg catccatata tatagtgcga tggggcagta tcttcaggcc 180
gttgagctgg ctctgcagca tgaagatatt gaactagccg cgatcgtcgc ggacagacca 240

gaagggaatg acaagctccg caagaaattg tggctgcttg tagcggagaa gaagatccgg 300
cagccaggca ccggaatcaa agacgccatc gagtttctgc gccgatgcga gctgttgcgt 360
attgaggatc tgattccgtt ctttcccgac tttgtcgtca ttgacgactt caaagacgag 420
atttgcagtg ctctggagga ctactcgcgg cacatcgacg cattgcgcca ggagatggac 480
aattcggccc agactgcacg acaaattcga tccgagattg cggcattgga tatgcgttat 540
gccattgtgg agccggggga gaaatgctgg acttgctctt taccgttgct tagccgccag 600
ttctttgtct ttccgtgcca acatgcattc cacagcgact gtttgggcaa ggaggtactt 660
gaaggtgcag gcgggaagaa gaagtacatt cgtgatctgc aggcgcaact gaataaagcc 720
gatgtatcag cttctcggag ggaggagatc gtgaaggaat tagacggtct ggttgctgag 780
gcgtggtaa 789

<210> 16812
<211> 2013
<212> DNA
<213> A.fumigatus

<400> 16812
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gatcttccaa agaaatcctc ggaagtcgga gtgattcgtc gaatgtttct tgaccccact 120
gcatcacatt tgatcattac tacgaccctt ggcgagaact actaccttca tactcagtct 180
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ccgtcactac caacggcttc gacaagggag atcctcttag gcgctacaga tggtcagatt 300
tgggagacct acatcgaacc gtccacggag ttctttcggc gcgaggaaaa gtacgcccac 360
tcagtctaca aagctttgga gggatcacct gtgactggga tttggacgga actcgtgcct 420
acgacgcccg agcagagacg ggtgctgatc gcgacacatg acaagctaat atgttttcag 480
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ccagtgctgt atgagattca gaaaccatct ggcgccgcac cgtcgacgct ggtgatctcc 600
gccaccgcgg ttgatggaca caatgtggat agttacgctg agaaagagtt cgcctggctc 660
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tttgaaggcg ccaggatgct accgcgttcc atgttccccc caacagagtc agctcgggga 780
ggcaagaagc taatccaaga tcctatcact gctatgacac tgtcacagtg gcacattcta 840
gcccttgtcg aagggaaaat cgttgctgtc aaccgcatga gcgatgagat catctatgag 900
caagcagtgc tcgagcctgg acagagtacg ttagggcttc tgacagactc gatgcagcac 960
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gagggagcca gcactgagga tatcaaagat gagctgagca atgttcgggc cgagttccaa 1440
gagtttgtga acaagtacaa aaccgacttg gacaagaaga cagcgtacga cattatcagt 1500
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gtcctgtcgt attggataca acgagaaaag tggtcagaag cactcaatgt cctacaaaaa 1620
cagacggacc ccgatgtttt ctacaagtat agcagcgtgc tgatgaccca tgccgcgacc 1680
gggttagtgg atatcctgat gcggcagaca aacctggagc ccgagagact tattcctgcg 1740
cttctcaatt ataataagac tgtgaatatc cctctcagcc agaatcaggc tgtgcgatac 1800
ctcaacttta tcgttgtcaa tcacccgaag ccatcggctg cagtacataa cacactaatt 1860
gcaatccacg cctcgagccc ttcaccttcg gaagccggcc ttctcacata ccttcaatct 1920
cagccgtctt cgcctcctcc ctacgatgcc gactttgcgc tgcggttatg cattcaacca 1980
cgaacgtgtt caatcatgca tccatatata tag 2013

<210> 16813
<211> 195
<212> DNA
<213> A.fumigatus

<400> 16813
tacaccgtca acagattctt cggccaagtc cttctcttct actgtatctc ccaccacccc 60
gatcctcgcc tccgcaagac cctccccgtc ggctgggaac gctggaccga cgagatactg 120
cggtttttgg aggactgcgc gcccttagt cctgccgtct cgaaggatct ggaactcctg 180
caattgttac gatga 195

<210> 16814
<211> 834
<212> DNA
<213> A.fumigatus

<400> 16814
gtgtttgact tgccttccgg gcatgcaatt ctttcagcca ctaacaatcg aagtcatgat 60
gtcaatttcg atgagtggga aggagacatg aaatcgcggg tctactggaa cactctcatg 120
aacgaaacta tccttgtaca ggagctgcat cttccaccca gtggcctttc acgtctcgag 180
gaactcgtcc ctattcctaa atttattggc ttcgaatctg tcgacttcgt gccagctcgc 240
ttctcttcct cttcggacga aatcgacgaa tccttcttcc agtaccattt cctcgcgcag 300
gtcgcccacc gtatcatcct cacccgcatc cgccgttcac tgtacttcta ctgtgagtct 360
tcgcctctgg ccccgttcct cctgcgctgc ctaagacctc taacattagc ctcagccgat 420
tcgggaacct tccccctccc ggccgtcaac gccgaacttc gccaccaact cgagcaatgg 480
cgcatcaatc tccctcccgc gctgcaattc tccgactctc aacccagtac cccgatggac 540
ccaaaccctt ccccggctcc ggtgtccccc ctccccattg atccgaaccg gccccctctct 600
cccgccatag cagtcacaga ggcaatgcta cgcggccgct acatgatcgc caatttccac 660
atcggccggc catacctgta caaagcgctc cggatcccgc aacgcgtaac ggaccacgat 720
cttgagcaaa tgcgcaacgg cctccgccac gcaatggact ggcccccggt tggcggcatc 780
ttccgcaaaa tgaaaagctg catcccgatc aagttcgctt tctgctccca gtaa 834

<210> 16815
<211> 270
<212> DNA
<213> A.fumigatus

<400> 16815
cctctatctc ttttgttgaa ggcatgcccc ctagttgatg agcttgctct ctacgatgtt 60
gtcaacacac ccggcgtcgc tgcggatctg tctcacatct cttctgtcgc ggtatgtgac 120
atcatcctag acccatctac tcaagtgatt aatcctcgtt ctgactcgca ctttcagaaa 180
gtatccggct accttcccaa agacgatggt ctgaagaatg cattgactgg cactgatatt 240
gtcgtcattc ctgctggaat ccctcgttag 270

<210> 16816
<211> 291
<212> DNA
<213> A.fumigatus

<400> 16816
ggtacgatcc tgaagactaa ttatgatttc aatggcacta gaaacgctga cttaatcctc 60
tgtatagtat gctggctatg ccaacaccaa ggtacctcat acatcatcaa cttgcagact 120
ttcgataata aagaggaatt gtatctaagc tattgtgaac aggctgtcgg tgtgcaggct 180
actgagaacg gcggtgtcgt tgtcatcacc aagaagcctg gcaaccctca gcagcccgcg 240
aagaacctgg tcagcgtcag ctggggccct aacgctgcca cccgcaagta a 291

<210> 16817
<211> 240
<212> DNA
<213> A.fumigatus

<400> 16817
tttgccgggt ggcattgtct caggctggtt ttgctaatca gcggcattgt tctatggcac 60
aggatctaca aggctgtagc aagcaagacc gccaagaacg gctaccgcgc cgacctccgt 120
gaagacgccg ttgctcgtgt gagcgccatc cgtcgctccc agaagcccaa gaaggacgct 180
gcccctaaga agctcagagg cgctcaagcc agaaaggctg cggagcagaa gtcggagtaa 240

<210> 16818
<211> 564
<212> DNA
<213> A.fumigatus

<400> 16818
ctcaaaatct tcccaacagg caagcctggt atgactcgtg acgatctgtt caaggtgaat 60
gctggtatcg tccgtgactt ggtgacggga atcgcgcagt actgccccaa ggcttttgta 120
ctcatcatct cgaatcctgt aaactccaca gtcccaatcg ccgctgaggt gcttaagaaa 180
cagggtgtct tcgaccccaa gcgcttcttt ggtgtcacca ccctggatat tgtctgtgca 240
gagaccttca ctcaagaata ttccggacag aaggatccat ccaaggtcca gattcctgtt 300
gttggcgggc actatggcga gaccatcgtt cccctcttca gcaaggattc ccctgccttg 360
gatattcctg cagacaagta tgacgctctt gtgaaccgtg agtgtctgct ctatatctac 420
agttatttgc agctagcgac taactcgtcc gtaggtgtcc agtttggtgg agatgaggtc 480
gtcaaggcta aagatggcgc cggctccgcc actttgtcca tggcttatgc tggcttcagg 540
tctgccacct tttccggagc ttaa 564

<210> 16819
<211> 324
<212> DNA
<213> A.fumigatus

<400> 16819
gtgtccagtt tggtggagat gaggtcgtca aggctaaaga tggcgccggc tccgccactt 60
tgtccatggc ttatgctggc ttcaggtctg ccacctttc cggagcttaa atccgcctac 120
ctgctaattc aaggtagatt tgccgaaaag gttatcaggg cttcgcaggg ccagtcaggc 180
attgtcgaac ctacttacat ttacttgcga ggtgtcactg gtggtgagga aattgccaac 240
gagactggtg ttgagttctt ctcgaccctt gtcgaactcg gggtaagtgt ttccacgtct 300
tcagcacaga caattctcat atag 324

<210> 16820
<211> 447
<212> DNA
<213> A.fumigatus

<400> 16820
ctgcaaataa ctgtagatat agagcagaca ctcacggttc acaagagcgt catacttgtc 60
tgcaggaata tccaaggcag gggaatcctt gctgaagagg ggaacgatgg tctcgccata 120
gtgcccgcca acaacaggaa tctggacctt ggatggatcc ttctgtccgg aatattcttg 180
agtgaaggtc tctgcacaga caatatccag ggtggtgaca ccaaagaagc gcttggggtc 240
gaagacaccc tgtttcttaa gcacctcagc ggcgattggg actgtggagt ttacaggatt 300
cgagatgatg agtacaaaag ccttggggca gtactgcgcg attcccgtca ccaagtcacg 360
gacgatacca gcattcacct tgaacagatc gtcacgagtc ataccaggct tgcctgttgg 420
gaagattttg agtcagaaga agagtag 447

<210> 16821
<211> 333
<212> DNA
<213> A.fumigatus

<400> 16821
tgcccgttgg cagcgctcta tctcacccga tcccggtggt tgcccttaat cccagttccc 60
gatcatcttt atgctcgcct tccctccagc tttgcggggg acctggaggc gggcctctcc 120
tcatcacagt tcgatatatc ctccaacatc gcagatggcg acacaagagc tggcttagac 180
aacaaagcaa aacgcgaggt gcagaagatc atgaagacgc agaatgttaa tttcgatgaa 240
gctcgacgca tctacaccga acgacggttt gctacccaca atatcggtcc tgacggtcgg 300
ccaagggacc cgaagttcgt gtcattctct taa 333

<210> 16822
<211> 1146
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (377)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16822
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ccgcggtggg tcgacgttca ggacgaggtg actgagttgc tcgcagacat tgcgcaaaag 120
tcagcacagc tggacaagct acaccagaag catctgctac ctggattcgg cgacgaggaa 180
gtaaggaagc aggacgagcg aatgatcgaa cgactcacgc aggatataac tcgcggattc 240
catgagtgtc agacggcggt ccagaggatt gaagcgatgg tgcgcgaggc caagcaacag 300
ggcggagtga gtgccgggga cgagaccatg gcgaagaata tccagatatc cctggcttcc 360
agggtacaag aggctantgc tcggttcagg aagaagcaga gcacctatct gaagagtatg 420
cactgttacc atggccattg ggaaaatatt gtaacctgcg atttgacaga attacgagga 480
ctcgagggtg ctgcggcgcc ttttgaccgc gccccaacgc cacagaatcc ctacatggat 540
ccttcattaa tggagtccga cgcggacaag tcattctctc aatcgactct catgcaaacg 600
tcacaacgac tgaccggtca acatgacgaa gccattgagc aacgtgagag ggagatcaac 660
gacatcgcga agagcatcat tgagttgtcg gatatatttc gcgaactaca agcgatggtc 720
atcgatcagg gaaccatgct tgatcggatt gactataata tcgaacggat gggtactgag 780
gtcaaggcag cggagaagga actgaaagtg gtatgtgcat cgctcataag agatcgaggc 840
tgccaaagga ctgacaaatt ttgcttgaag gcgaccaact atcaacggcg aacgacaaaa 900
cgcaaaattc tccttctact tatcatcctg gttgcaggga tgatcatcct actaatagtc 960
aaaccaaaaa ggcatagctc accagctcct acaccgtccc ctccccggcc tgtcgaacag 1020
ccaccatctg agcagcctcc gagtcttttc cctcgatcat ccacatttgt ctatcgccga 1080
aagaggcgtc cgtttccgat tcagtcgtca gatgacaagt tgttcgagcc gggtataaat 1140
gggtag 1146

<210> 16823
<211> 291
<212> DNA
<213> A.fumigatus

<400> 16823
tacctgatta tgatgctaat ctggattcac ccaggccaga ctgaggttgt cgaaaccaac 60
ggcgcatcgg atgaaaacga tttcctagcc cgggagcgcg ctattcttgg agatgatgcc 120
gaccaatttg ctactgctca agaccacgtt gctacagata ttggtgatga tttactggga 180
ggtgcggaag gagccgtagt tggtgaaaca gcccctgagg aaatctcggg atttgagtct 240
tcatttcctg ctattgagac acagaatgag gtatcatttc gctcgcccta g 291

<210> 16824
<211> 354
<212> DNA

<213> A.fumigatus

<400> 16824
agggaatggc gtgagagacg agacgcagaa atcgcccgcc gtgcagagct ttcgaacgag 60
aagaaggagg cgactatcaa gaaggctcga gaggacatcg acgatttcta cgtatcttac 120
aacaacaaga cggacaagct ccgggctcaa acccgcgctg atgccgaaca gttccttgcc 180
aacagagaag acacgtctgc cggtggcacc agctgggagc gcatcgcgaa gctcgtcgac 240
atctcaggaa agggcgcaaa aggtggtgcc agtggatcag gcaaggagcg tttccgtgag 300
ttgctactgg atctgaagaa ggatcagaat gcgcctggtg ccagtgggat ctag 354

<210> 16825
<211> 867
<212> DNA
<213> A.fumigatus

<400> 16825
gctatagaga ttgataagtc acggtcgacc ggtaaaaagc cattgctggg cggatccctt 60
ttctcgagcc cgtctgggtc ggttccatcc gaactccagc cgctggtccc tctgcaagca 120
gctttgtcta aagcgacaat ggcttccggt gcgtctgcta ctgcagcaaa tggagagtac 180
gacaaaatga atgatcccgc cgtaccctta ccaactcctc cagtgcacgc tgcacgtcta 240
agccaactac tgaaagcgct tgcaaatgct gaaagttctg tgtccgaggt catcaaatcg 300
cgcttagcac ttatcgatgg tcttgagaag cttcttgaaa ccaatcgtgc agccttatca 360
aaagagcagt ctgttctttc gcagctgact gaaaggaagg cggagactga agcgaagaag 420
cgggacgtgg aagatagcat catgagagga ctttctatcg acaatccatc cctgcctcag 480
cctagcgacg cgggcgctga agcaccagcc gtggctcgtc cggaggtcga agctttgact 540
cccccgccag tggaagcaat caccccagtt gggtccccaa cgcaagcccc ccaggagaaa 600
atccaagagt cggtggagga gggtcaggtc gatggttttt cgcttccagg catcggacag 660
cctaccaata atgtgccatc tgacacaggt ctaccaggtc tgtcgagtct ttccggcatg 720
ctacagcagg gcagccctaa cggagtcaac tcgaagaagc gtaaggttac ccacggagag 780
gaggactatg cgcaatacgc tagcggcgac ctggacgctg atgtcgccga gttactgaat 840
caggagggct atccgcagga gaggtaa 867

<210> 16826
<211> 198
<212> DNA
<213> A.fumigatus

<400> 16826
gttcacagta tccttccaca tccatatcaa actggactgg ccaatttcga cgacctgtat 60
acttccgcta cgcctaagac cttcgactca taccatctct ttctcacacc caaccatcta 120
ttgcatacat acggggcgcc ccttccgcct gatcgccgtg gtcgcagact gttgtcactg 180
acccctttca gcacttga 198

<210> 16827
<211> 273
<212> DNA
<213> A.fumigatus

<400> 16827
tcaagtcagg gcgcgttgat gtacctcgtc gcaatcacga acatcctgac cgacatggct 60
gtcctcacgc ttcccttctt catgatgcac aaggtccaga tgtcccacgg gaaaagagta 120
aagattctgt gcgcattttg cacaagagcg ctgttggtca ctcgacattg tacgagttat 180
tccacgctaa tggagacaca gcaccgtctt actcacaact gggcaactag cgacactacc 240
acgatcctta acatcatcag atactacatg taa 273

<210> 16828

<211> 348
<212> DNA
<213> A.fumigatus

<400> 16828
ccttcccaga gtgtgatcaa cgcctcccgt aaacgcattc ctgggctgga ggatgtcgag 60
ccaatccagg gcaccacagc gacaacgacc tatgtctata taaccaacca atccgcaggc 120
cctaggccag atgaatccag cccgagtgct cgcgtgaaca ctttccccag catggagccc 180
gagaagactt gccagctgct cgaagctcat ttacagctgt atcataatca gatcaaaaac 240
atctcgagca gggatattga cattcagatg gcgtctttac ctcccagcct ctgtcagttc 300
tcatcacaca ggcctctgca gatcggggag agaacgcttt cgggttag 348

<210> 16829
<211> 192
<212> DNA
<213> A.fumigatus

<400> 16829
atcagcatca ccatagatgg tctttcaaca gtgaagtttc aggtatataa ggacgtggag 60
gattggctta acatattccc gtccttctac aggggcatgt gcaactggat ttatgacata 120
gccacaacca tctcatgctt aagctatgct gaccttcaag agcatctcca aactccactt 180
cgcaagctgt ag 192

<210> 16830
<211> 198
<212> DNA
<213> A.fumigatus

<400> 16830
gcttcatctt tcaagttgca acagaaagaa gctcctgatg aacaattgag caacgacggt 60
agactgaatc ctctgtttat gaatcaggta gccgatgatc aggtctattc cagctacgga 120
gcgcagaaca aagctccact acaacagatc gcacaggcat acgatcctgc aagattcatg 180
aagagacatg gtagatga 198

<210> 16831
<211> 372
<212> DNA
<213> A.fumigatus

<400> 16831
agctcctcgt gtctcagaaa gattacgaac caatcggaag ttggtgaagt tgaaagactt 60
ctggaatctg ctctggtaga gagattcccc cgtcattata attctcctat catgctgtct 120
gaaacagcta agagacgtac taaccgcaaa ggaactgaga gcaagtctat agagcatagt 180
tattatttcc tacggaatat acgctccatt gtggatcagt acgcgcggcg caccaccatc 240
actagtacat atccctgcaa tgatcccggc aagcgccatg caggctatat taacgacgca 300
ttacagtacg tacccagatg gcctgttcta tttacaaaat tacatcctgc cgaggtcggc 360
cttgttgtct aa 372

<210> 16832
<211> 228
<212> DNA
<213> A.fumigatus

<400> 16832
atttatatca atgctcctgt ttgtctgtcc tctagagggg ccgtgtgtgt aaaattgccc 60
cccatgtcta gtatactttt taagaattca ccactgctcg ctaagaggag gaacaagagc 120

aatattaaca atattaataa tgtctcggtc gtcgactgga ggtcggttca gctttcttat 180
gatgccctta tccccttgat ttcgttcaaa ttcatccgtc gtcaacca 228

<210> 16833
<211> 261
<212> DNA
<213> A.fumigatus

<400> 16833
ggcagcagaa acataaatat cgccgtcttc cttccctgtc catcagttcc ccgcctttgt 60
atacctccac tacacctctc tcttatattt ctcgttaagt cacttacagc aatgccgtgc 120
tggagttcat tggcgttgga ggtgcatatg accttctatc acggtgagct aaatctcacc 180
taccagcacc caggtatccc agagacggtt attgtctgct atatacagta cgctttcttc 240
acccaagctg tatatttata g 261

<210> 16834
<211> 1422
<212> DNA
<213> A.fumigatus

<400> 16834
tgcagcgaac tggacaattc gacggtgagc acctaccgta actttgcagc gtccgagtat 60
ggccagcttt cgatgttggc gacattgaac accgtcacca gtgtcgttgc cgctgtcagc 120
aaaccgccga tttccaaact ctcagacgtt ctaggaagag ccgaaacgta catcatcacg 180
attacctgct atgtactctc gtatgtgcta tgtgcttcag ctaggtccct cgatacctac 240
gccggcgggt gtgtccttta cgcccttggc cagtctggaa cttcgatact aaacgcgatt 300
gtcatctctg atatctcttc tatgcggtgg agagggtttg tctacaatat aatatacctt 360
ccattcctcg tcacccccctg ggtctcagca ttcatcgttg aaaatgtcgt caatggcatt 420
ggatggcgct ggggaatcgg catgtttgcc attttgatgc catcttgcgc cagtatcata 480
atcatcagtt tgcttgtctt tcaacatcgt gcaaagaaga ccagttctgt tgtctaccat 540
cgtccgagcg tgcatggttt ctgctcggga atcgacttag gaggtattgc gatcctgact 600
tgcggattct cctcgctgtt gattcctaca accttagcgg ccacaacaac aagtcgatgg 660
aagacgccat ggatcgatgc ccttattgtc ttgggtgctg tcttgctagc ttgcctctat 720
ccttacgaga aatacatagc tgggaatccg gtattcccgg tacgctactt ccacacgctg 780
tctgtgctcg tgccagtggc acttgcttgc attgacaata tagggttcgg cacaacccac 840
acctaccttt atgcctggtc aatggtctca cataactttt cccctcgaaa tgcccagttt 900
ctatcctgga caagtggcgt catacaggcg ctcgctggga tgtgtatcgg tctgcttatg 960
taccgcctgc gaaggtacaa atggatcgct gtagccggtg ctatcgttcg gctgattggt 1020
tatgggctga tgattcgcct tcgtacaaac acaagctctt tggcggaact cttcatcacc 1080
caactgatac aggggctagg aagcggggtc atcgagacag tagcgatagt tgcagcccag 1140
gtctccgtac cgcattcgga gctcgctcag gtgacgtcac tggttatgct gggcgcattc 1200
gtgggtaatg cggttggatc tgccatcgct ggcgggatct atactgggaa actccgcgag 1260
cgactgcagg tacgcttagg tagtgccatt ggcgaggcca ggctggatca gttgtataat 1320
tccatcacgg gaactttacc catgtgggga acatggcagc gagtggcagt aaatcaagca 1380
gtaagtatta cacgtctttt gctgctttat atcacctgct ga 1422

<210> 16835
<211> 498
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (484)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16835
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tccattgtaa cagcaaccac cattcgcact atccatactc tcctgcatga agccatatca 180
ggcccatctc acgtttatga gagaacaact aacacaatta gatatgttat taagtctttg 240
caaaaacaga acatcaggtt actgagcgac aagtcacgcc aggatagcac cctaagggtg 300
gtgtctatcc ttgtggcaca gcaagacgca gccagtaata tactgcttgc cactagtatg 360
aagcaggata gtactaggat gaatgcgatt gctgctctaa caatggtttc tccccaagac 420
atttacagca gtgagtatca gacaatccgg tttctccccc ccctgcggaa ctgtcacgac 480
ttanggagcc tttgctga 498

<210> 16836
<211> 789
<212> DNA
<213> A.fumigatus

<400> 16836
ggtgcccatg gactatcatc gggagaacgg ccggggccgc cagatggcta ttgccattgt 60
gcgcttacca gcaaagatcc cggtgacgga ctcccggtat ggtggtgcag ttttaatcaa 120
tcccggtatt ctcaaccttc cctttcccta tcatatcagg ctctgatgaa cgcaggggggc 180
cctggtggtt ccggagtcga acaggctctg ttgtttggtc gggacatgca gacgattatt 240
gatggggaaa ctgatcctgc attgccgacg ggtcctgcga acttgtcagc tcgatacttt 300
gatatcatcg gctttgatcc acgtggcgtt aacaacacaa ctcccgggtt cagctgtttc 360
ccagattcat tttcgcagag gaactgggag ctccaggtgg aggcggatgg catgctgggt 420
agctctgacg attccctcat gcgcaattgg cagcgtgccg ttgctcttgg aggtgcttgc 480
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acaccgccag tcgcaaggga tatgctcgaa atcattgagc gacacggtga atggcgcgaa 600
aggcaaggtc agactgaaca aaggatgtac gatcgcatgt acggctatga ccagcaacag 660
agcatcgtgg cacgaaccaa gtggaagaga gggcatgaaa agctcctgta ctggggccgt 720
tcgtacggaa ctgtgctcgg aagcactttt gcaacgatgt ttcctgatcg ggtcgagcgt 780
cttttattg 789

<210> 16837
<211> 201
<212> DNA
<213> A.fumigatus

<400> 16837
tttctgacag gccaagcagg ccaaatcgaa aatttaccta aaaacgatac ggaaatcaac 60
agtatgcgcg ttatcacaaa caagcagcca gtcagtgagg aggaatccag aatgctaatt 120
cgttcatgga aacgcaattt caacctgaat ggatattata tttggttcca gtgggacaga 180
gtgatctctt cgccagcctg a 201

<210> 16838
<211> 321
<212> DNA
<213> A.fumigatus

<400> 16838
tcgtctctga tcaggtacat aatggaggat cgacagcgcc actgttggga atgtctccgg 60
cggtctttgg tctgtgactt tatccggccc caatgtaagc ggtgctctac ctccgggatc 120
gtttgccctg gatacgaaga taaggcgcct ttcaggttaa agtggcttcc tcctggaagg 180
gtaaagtttc ggaatcgaaa acaggtgaag catcagaaaa tgaacagggc gagggtcgca 240
gcagagcact ccgtcgttcc gcgcttcgac accatctatg atgccccagt cttggcccag 300
gcagccgaat actgcaagtg a 321

<210> 16839
<211> 747
<212> DNA
<213> A.fumigatus

<400> 16839
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ctgttctact acgtcccaaa cctcgcaccc cttccccccg gcaaagtcct ggccattttc 120
ggcgccctaa tggcactcgt ggaggcactg aatgctctgg gggtagccct caacgctaac 180
ccaactggca gccagcaagg attgggaaaa gctttgatcc tcgtttccct cgccttcaa 240
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gggttaatcc tggtccgttg catctaccgc ctaattgaac atgtcgacaa cacgtcggtg 420
gacctcgtga ttccagaggg acttagatcc ctgagcccgc ttttgcgata cgagtggttc 480
ttctatgtct gggaggcgtc actcatgctc ctcaactctt tcttatggaa tgtgttcaat 540
ccgggccgat atctgcccag ataccccacg gtttatttgg cagcggatgg cacgacggaa 600
atcgaagagg aggaagtccg caatgaccag cattttctgg ttaaatctgc gtatgcggcc 660
gtcaatgcgc tgacatttgg gctgtttcgc ctcttcgtcc gccagaagga tgaagagaac 720
catccgctaa cagagcgaac taaatag 747

<210> 16840
<211> 474
<212> DNA
<213> A.fumigatus

<400> 16840
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ccgaccccgc caccaacggc atcactccat ccatcagcga catcgtgcaa gccttcttct 120
ggcgcgccgc catcaaggca cgataccgcg tcgccacgga gatccgcaag cagaagttca 180
gcccggacgc cgtctccatc ctcgagctcc ccaccgacac ccggccgcat tttttgtccc 240
gcttcccacc aacctacatg ggcagcatgc tcatcttcaa ccgcaccagc atgcccatcg 300
agacctttg ctccgccgag accagcatcg ccaaagtcgc gctgctcctc cgccaatccg 360
ccgcgcgcat caccccgtcg ctcgtgcacg acgccttctc actcctgcag tccctccccg 420
gccaccgccg gttctccacc gccaacatgg gcctcgagca catgcacgcc atga 474

<210> 16841
<211> 2775
<212> DNA
<213> A.fumigatus

<400> 16841
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ggaccagcgg gagtcctgcc caatatcaat ctggtggacg ctctcgcagt gagcactaga 120
atcgatatct ggagcatggt accgtccctt gtcgatgagt tgggagaaac tcccgcagta 180
ttgtccaagc tcaaatcgtc caagttcatc tgtgcctctg gcggtcccgt cagtcccgtc 240
agcgctggca aggtcaacga ggtaatacga gtcctgaact tgactgggac aaccgagggt 300
ctgtttatgg gtaacctcat accaccaaga gaggattggt tctggttttg cttccatccg 360
tattccggct ttgagttcaa gcaagtcgag ccggacacat acgagcactg ggtgcatcgc 420
aacgagcact ggcccctgtt ccagggcatc ttccacactt tccccgagaa gcagtcgatt 480
aacttcaagg acctgtacgt gagacacccc accaagccca atctgtgggc cttcaagggg 540
agaagcgacg atctcgttgt actgtcgaat gggtacaaga tatcgcctct gcagacggaa 600
gccttcatca cgacccatcc cgccatcaaa ggatgccttg ttttcggaac tgggaagccc 660
caggcaggtc tactgattga gctgaaagac ccgttgcaga agaccgacga gctcctcgac 720
agcatttggg aaacagtcca acaggccaac tccatgtctc ggcacaaaaa ccagctgctg 780
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gtgaaacgat ccgccacact gaagctttat gccgactaca ttgagcgttt ctaccgctca 900

cgcaacgacg atctcggcgg cactttcgac ttcgacatga gctcggccca ctcaatcgag 960
gacaatgtcc gcaagatcct cgccgcttcg ctccctgatg tccaggaggc ctctgcagac 1020
acggacctgt ttgcgcttgg gcttgactcg ctcggtgtct ttgcggccat caagaccatc 1080
cgggcagcta cggggctagg tgaccagatt ggccctcggc atatctacgc caatccaacc 1140
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gaaagaccag tggacgatgt cggggcccag atcgcgcgga tgattgccca gcacaaggcg 1260
cggcaatcgt tcagcttgaa cgcgttcgac tatgtcaacc cgaaccacgg catgggcttg 1320
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tcggagcaag ggatcggcta caccaaagga gacctctgcg tcaccattcc ccccttgcc 1500
aaggccgatt cggcacgcaa tcgtctggtc tacaaggacc tctctgctgt tcttccgtca 1560
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<210> 16842
<211> 405
<212> DNA
<213> A.fumigatus

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<210> 16843
<211> 1314
<212> DNA
<213> A.fumigatus

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<210> 16844
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<212> DNA
<213> A.fumigatus

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<210> 16845
<211> 753
<212> DNA
<213> A.fumigatus

<400> 16845
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<210> 16846
<211> 222
<212> DNA
<213> A.fumigatus

<400> 16846
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atgtccttgc gacgccgtca tagcaacctc cctatcacca tcaccatctc cccccactcc 180
atggcccaaa tccggcatgc tgggcctcga ggggaattgt aa 222

<210> 16847
<211> 195
<212> DNA
<213> A.fumigatus

<400> 16847
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ctgttggtcg tttga 195

<210> 16848
<211> 417
<212> DNA
<213> A.fumigatus

<400> 16848
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<210> 16849
<211> 243
<212> DNA
<213> A.fumigatus

<400> 16849
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tag 243

<210> 16850
<211> 246
<212> DNA
<213> A.fumigatus

<400> 16850

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<210> 16851
<211> 1983
<212> DNA
<213> A.fumigatus

<400> 16851
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<210> 16852
<211> 315
<212> DNA
<213> A.fumigatus

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caacagtctc agccagacag tgaatcgagc tatgatcttg tcagtggcaa caccagtcgt 240
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<210> 16853
<211> 1026
<212> DNA
<213> A.fumigatus

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<210> 16854
<211> 1464
<212> DNA
<213> A.fumigatus

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<210> 16855
<211> 456
<212> DNA
<213> A.fumigatus

<400> 16855
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<210> 16856
<211> 1134
<212> DNA
<213> A.fumigatus

<400> 16856
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<210> 16857
<211> 1128
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (36),(40),(95)
<223> Identity of nucleotide sequences at the above locations are unknown.

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<211> 504
<212> DNA
<213> A.fumigatus

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<210> 16859
<211> 876
<212> DNA
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<400> 16859
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<210> 16860
<211> 450
<212> DNA
<213> A.fumigatus

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<210> 16861
<211> 324
<212> DNA
<213> A.fumigatus

<400> 16861
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<210> 16862
<211> 1368
<212> DNA
<213> A.fumigatus

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<210> 16863
<211> 474
<212> DNA
<213> A.fumigatus

<400> 16863
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aacaaggcca agtcttacct gccaaccgcg actcctgtcg ttcctacggt tgagaaggtc 180
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atgggtagta gaagatgcga gtacaccgag accttattgc taattatctc acttcgaagg 420
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<210> 16864
<211> 477
<212> DNA
<213> A.fumigatus

<400> 16864
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<210> 16865
<211> 198
<212> DNA
<213> A.fumigatus

<400> 16865
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gcagtagccg gcaaaattat taccgtaact agccgtttta ttccacgtca agatcacagc 180
atcggcggtc tgggatag 198

<210> 16866
<211> 297
<212> DNA
<213> A.fumigatus

<400> 16866
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gctgacggca gcggccgacc agaatccagt accagcggcg acacaatacg tccaaaaggt 180
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<210> 16867
<211> 441
<212> DNA
<213> A.fumigatus

<400> 16867
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tatgcaacct ttctcgtctg a 441

<210> 16868
<211> 1434
<212> DNA
<213> A.fumigatus

<400> 16868
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<210> 16869
<211> 189
<212> DNA
<213> A.fumigatus

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tctagctgta atatagtaaa taaggggcta tatagtaaca acttcccatt aagtagctat 180
atcttataa 189

<210> 16870
<211> 201
<212> DNA
<213> A.fumigatus

<400> 16870
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<210> 16871
<211> 684
<212> DNA
<213> A.fumigatus

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<210> 16872
<211> 1194
<212> DNA
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<210> 16873
<211> 459
<212> DNA
<213> A.fumigatus

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<210> 16874
<211> 405
<212> DNA
<213> A.fumigatus

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<210> 16875
<211> 501
<212> DNA
<213> A.fumigatus

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<210> 16876
<211> 441
<212> DNA
<213> A.fumigatus

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<210> 16877
<211> 228
<212> DNA
<213> A.fumigatus

<400> 16877
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<210> 16878
<211> 699
<212> DNA
<213> A.fumigatus

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gttacggatg agtatgcatc cgtcgggttt ctagcggctc gacagctccg tctttggcct 180
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gacctgattg ttgccctgcg tcaagaaatt ctctcagtca aacctcaaca gaatgggtgg 540
aagaacgcca gcctaaacca acttctgctc atggatagtg ctatcaagga aagccaacga 600
ctgaaaccaa ccgagtcaag tatgcatgtc gtgatctata acttctcctt ttcccttccg 660
aataccgtat tgaggtacca cactaactgc ggtcactag 699

<210> 16879
<211> 924
<212> DNA
<213> A.fumigatus

<400> 16879
gtcatatccg aaccacacat ggcccggcag ctagtacttc agagagatgg aggaatacgg 60
ccttactcga tcagtcatat cgtccactcc ctgatttcat tccgccggtc gaaacctcga 120
cccgtgctcc gcttccaggc caatttcctg gcggatggac tcatgctctg tatgggttac 180
aatcactctg tgtttgacgg tactggagct ggtaatatcc tcgaaatgct ggctgactgt 240
tgccgtgcca atccaaatag cattctcgct ctacccacca atggcgacat cgagtccgaa 300
ctgcgcgggc tgttgtccag tcctggtgtt gctgttgcaa atgcgtccca ggaagcgtat 360
gccatcaact gtgcacacac ggaggtagaa cccgaacctt cctccgctat gctgtactgt 420
tggcccttcc tgttgtcttc cgagaagatt gaatgcctgc aagaagcatg taacagcctt 480
ttaccacata ttgtacgctt gtacagtggg acccaaagtt ctttgatcaa ccaggacaca 540
aactggccac atattctctc tagcaacgac gtgttgaccg cgttgcttgc cgtaagtatt 600
gagaaagcca gggaagcgac aggggccctg ggacatatga gcagaagcct tgcgatggct 660
gtgaatctcc gagaacgatt aaagccgatg ccgaggcatt atcttggaaa tttagtgacc 720

actgtatggg tgtctcatca tcgacctgcg gtgaaggacc tggagacgat ggttttacct 780
gtcccagcct gtaatcgtca tgaaattgac agagatgatc tgctttggat tacccacgtt 840
gcgttccgta tccgtcttgg actgaacgcc atcaacgaag agcatattcg cggggctcat 900
tcattatctg cacagtcagg atga 924

<210> 16880
<211> 375
<212> DNA
<213> A.fumigatus

<400> 16880
acgcagatcg gaaagacttc atcccttgtc atgaccctct gtggtgtact gaaagatatc 60
cttcttgtcg ctgcatcgat gatgatctgg cagactcctg ttacccctct ccaattcttc 120
ggttactcga ttgctctgat cggcctggtc tactacaagc ttggtggtga taagattagg 180
gagtacgctg gccaggccaa ccggtcctgg gctgagtacg gtgccaacca ccccgctcag 240
cgcaaatcta tcatcatcgg tgccgttgtt ctcatcttct tcctgctgat cggctccatg 300
gcgcccagct acgctcccga gtctgtggac aaggtcaagg gcatgcttgg cggcgcaact 360
gctgggaatg cgtaa 375

<210> 16881
<211> 285
<212> DNA
<213> A.fumigatus

<400> 16881
tctcactcgt tagacctctg tttctatttt tcttcttctt tcacagcttc acccctggcc 60
tccgcgcgct ttggtcagag cagccttcta cggccgcgcc ctttcgattt taagcaattc 120
ctatccgacc agagtcaact cttcacaatg agtaacgaag gagaaaaagc cagagtctcc 180
ggcgaggtct ctcgcccaga gcccaccctg cccaccgtca atcccgccgt tgagaagtcg 240
gagccctcca agcctacatt ccaccctgcc gtctatgtga ggtga 285

<210> 16882
<211> 291
<212> DNA
<213> A.fumigatus

<400> 16882
cacttcccag ctatcatcct gacaacatgg cacttggcat tcgcgacttt catgactcag 60
gttctcgccc gcacaacaac tctgctcgat ggccgcaaga ctgtgaagat gactggaagg 120
gtctacctgc gcgctattgt accgattggc cttttcttct ccctgagttt gatctgcggt 180
aatgtgacat acctgtacct gagtgttgcc tttatccaga tgctgaaggt gtgtttctgc 240
tctgatcaac ttgccatttt gctggcgata attgctgatg acggtacata g 291

<210> 16883
<211> 417
<212> DNA
<213> A.fumigatus

<400> 16883
gcaacaactc cggtcgctgt gttgctcgct acctgggcta tgggaatggc ccccgtcaac 60
ctgaaagtcc tcttcaacgt cgctgttatt gtcatcggtg tcgtcattgc ctcgtttggt 120
gagatcaagt tcgtcttcat cggtttcctg ttccagattg gcggtattgt tttcgaagcc 180
acccgtttgg tcatggttca gcgccttctc agctctgctg aattcaagat ggaccctctc 240
gtttccctgt actacttcgc tcctgtttgc gctgtgatga atggtgtcac tgccttgttc 300
gttgaagtgc ctaatctgac tatgggccac atctacaacg ttggtgtctg gaccttgctg 360
gccaacgctg ttgttgcttt cctgctcaac gtttccgtcg ttttcctggt aagatag 417

<210> 16884
<211> 1245
<212> DNA
<213> A.fumigatus

<400> 16884
cttgaatttt atagctcact taacaggaca gaacgcaaca gtttcggatt tcggattcac 60
cctcttaacc accttcgcaa gtctctagcc atgtgcccaa tgctcctcag tggtcttgcg 120
gatggacccg ccatggtcct atcccctcgc caggaacacg cttttgttca gttccctcgc 180
cagtcgcagc tcgactcggc ctctgccgcg tctcacaatt cattcttcag gaatggcgtg 240
cactctcagg cctccaacaa tgtcttttcc gcacccaagc tggccaacac ggccgccagt 300
tcttccagaa tttcgcgcaa gagatcgcga gatgaagccg agtctgagga agcactcagt 360
gcttcgagcg cgcctgcagt ggccgcgcca gcgcccaagg aggagcctat ctatggggag 420
ggtatgacac ttatcaatcc tcgcaccggc atgtcgcttt ctgcagagag ccagacaggc 480
acttggtacg aagaacagct cgaaaacgct gctgccacag cggctcctgt ctcgtcgcgg 540
tccctggcca gttcgtccga acttcacagc cgcaagtcgc aacgccttga cccatccgcc 600
tcccgtgtcg acgacatcac gctcgcccac attcaacgaa gacttcacaa gacaaccgcc 660
gaagacaacc accgcctcct taacgccgga gcccgcacca acccttaac cccgaacgaa 720
ccccaggttg acgacgcaac ccacctcctc ggaatcagct ggcaacgaat ctctaccgac 780
gacgtcgaca tggcggccgc cgtgcgtggc tggaaaaagt acattgacaa gcaattcgcc 840
gcgtaccttc tggactcgca gatcctcatg aaaaaccgcg cgctcaacgc gtacctggtt 900
acagcgcgac caatcactcc tgccggaccc gccattgccc cagccttcta tctcttcagc 960
gaagacctca gccaggctca gcttgtggcc tcctcctggg aacaatgcgt gcacaatctc 1020
cgctcggttc ccgtaatctt tgagcaaaac caagtactca gcgctgcaga cagacaatgc 1080
aataacaaca gcagcggccc aggcgtttta ggcctggaca cgaccacgga accgggcctc 1140
ccgctcctgc aaatgatgtg cgcccagcca gtcggcagcg acatgcgcgc ggcgggactg 1200
cacaatagcg atggcatgtc ttcacacgag tgccagatcc gcatc 1245

<210> 16885
<211> 273
<212> DNA
<213> A.fumigatus

<400> 16885
ccgactacga aaaggctctc catgaggtcg aagccaccga agaatccctc ctggccacac 60
tctccttccc caatgacacc cccaagcgag gctccgtcta cacagccctc gttatccccc 120
ccgccacagc agaaaaccca tcccccgtac ctgttggtat ggccctgttc ttctacaact 180
actcgacatg gcgatcggct ccgggaatct accttgagga cctttacgtg cagcccagcg 240
cccgaggcaa gggatatggg ttcaagcttt tga 273

<210> 16886
<211> 480
<212> DNA
<213> A.fumigatus

<400> 16886
caggggctac aggttggctt ttactttgcc ttcttgcagt cgtattttcg gttcttgatg 60
ttccctgcgg cattcgggtt ttcgtgttgg ctgctattgg gctcattctc catcatctac 120
accgtggtca attgtctctg gtgcatcgtc tttattgaat attggaagcg tcaggaggag 180
gacctcagct gtcggtggca gaccaagggc gtgtctgcgg ttcacgaaaa gagagcagag 240
ttcaaacccg agaaggaaat tcgtgatgaa agtaccggcg aggttcgagg agtcttcccc 300
gctacaaagc ggatgcatcg acagctcctc caagtcccat tcgcattgct tgcagccgtc 360
gccctaggtg ccatcattgc cacctgcttt gcgattgaga tttttatttc cgaggtctac 420
aacggtccgc tcaaggggta tctggtaagt gtcgctccaa gcattttgca aaattcatag 480

<210> 16887
<211> 504
<212> DNA
<213> A.fumigatus

<400> 16887
ttaatgatcc aggtgtttat ccctaccatc ttggtatcgg cgcttatacc gacaatgagt 60
gcggtattgc tgactgttgc gaccaaattg aatgactacg agaactacga gactcaggat 120
gcctacaagg tggcattgac acaaaaaatc tttgtggtca actttatcac ctcatacctc 180
cctatcatct tgacagcttt cgtctatgta ccattcgcca gtcgtatcgt gccttatctc 240
gatgtattcc accttactgt tcggccgttc gtgtccaaag agcatgcaac caaggcacga 300
accgaattca gcattaatcc ggatcggcta cgaaagcagg tcatctactt taccgttact 360
gcccagattg tcggttttgc gcttgaaacc atcgttccgt ttgtcaagca acgggtattc 420
cgcgaatata aggaatacac caagaaacaa catgcaaaag ccgagccagg ttttctccac 480
aggggccgga catccgcata ttga 504

<210> 16888
<211> 1728
<212> DNA
<213> A.fumigatus

<400> 16888
acaaaaaaag ttggaaaaaa aaggggccac cattttgacc gtctgagctc caagcttaaa 60
ggagaggagg gcctcaaagg agaaatcgaa tccttacgcg acgatttact tcaccttggt 120
caagatcatg ttgaagcaaa ggacaagatc aaggaactga atgtagaaaa gaaggcgcta 180
gaggagacgg tctccaagtt ggaaaaggaa ttagccgata tacggacgag ccatgcctcc 240
aagagcgcag actcagagaa gatgcacagc gatctgaagg aggactacga gaacctcaaa 300
gtcaaactca ccaaccttga gacggagctc tctgccgctc agcaactggc cgctaccagg 360
ttcaaggatc tgacggaatt gcgggagact ttgcagaaat tacaaccaga attgaagagc 420
ctgcgggtag aatcttcaga actgaagtcg acgaaggagg ccctggcgag caaggagtct 480
gaattgagga cactggaagg taaacatgag gagttacgtg ccgaagtgaa gactctcaag 540
tccacaattt ccgagcgcga cgccgaggtg aagaccctca accaaaagat cagacaggag 600
acagacagcc gtctcaaggc tgaggagaat ctgaccgttg ctcaatctga cttgcgatac 660
tcagaaagca aaaagcagga agccgttgag acaaaggaga agattgcagc agacttatcc 720
cgagcgcaag atgagcttaa gaccgctcgg tcccaactgc gggaggttga aaacaaggtc 780
actcaattga acaaggagct tgatggtctg agggaggaaa tccagctgaa gaccgcacag 840
cacgccagcg cgcaaagtct gatgaacagt atgcgcgacc agagtgccga gctagcgatg 900
caaatgaagg aggcccggga acgttgtgag agcttggaag aagaattggc tgatgctcat 960
cgcttgctca gcgagcggac gcgcgagggt gaaaccatgc gacgcttgct cagcgatatc 1020
gagggccgtg ccgaggccaa ggtgcgcgat ttcaaggagc ggatggaggc cgccattgaa 1080
gagcgcgatc gggcagaaga cgaggccagc gctcagggtc ggcgccgggc ccgagagcta 1140
gaggagctca aaaccaaggt tcgggaagcc gagaaagcac tgagaacggc ggaggaggac 1200
aaggaagagc tcgagcgatc ccaaaaggac tggaagcgca gacgggatca actcgaggaa 1260
cagtcggagc gctcggcgca ggagctaaac gacatccgcc aggccatggc acggttacgt 1320
gatgctttag atgaaagcga gaagcaagtc cgtgatctgg agaaagaaaa ggccgagctg 1380
cgtcgttcag tggaagaaac gaacagccga ctggagaagc ttcgcagatc ctaccggatc 1440
ttgtcggacg aaactcgtgc agtccagaat cctcagtctt cgcgttcatc gattgactca 1500
ggagcgagaa aggcagttgc atctcccgtg tcgaaggacc gtagcccatc gacacggaga 1560
agcgaaacgc cgacgggagc accgattgac tacatctact tgaagaacgt gctcctccag 1620
ttcttggaac agaaggataa gaactaccag aagcagctga tcccagtctt gggtatgctg 1680
cttcatttcg atcggtcagt aacctatttc cttaactacc cgaattga 1728

<210> 16889
<211> 642
<212> DNA
<213> A.fumigatus

<400> 16889
aggactcttg atctcacaat gtccggggaa gctaccatca gactggcaac tcccgagggc 60
aagttcaccc cgcattccct tcaatgcttc tccgcacgag tcggccatcg ctgcgagaag 120
gtctcacggc ccttactgac tccatgcgaa attgcagatg tcccttacat cctccaattc 180
atccgagagc tagccgacta cgaaaaggct ctccatgagg tcgaagccac cgaagaatcc 240
ctcctggcca cactctcctt ccccaatgac acccccaagc gaggctccgt ctacacagcc 300
ctcgttatcc cccccgccac agcagaaaac ccatcccccg tacctgttgg tatggccctg 360
ttcttctaca actactcgac atggcgatcg gctccgggaa tctaccttga ggacctttac 420
gtgcagccca gcgcccgagg caagggatat gggttcaagc ttttgaagta cttggctgca 480
aaggtgttgg aggtgaaggg ccgccgtcta gagtggagtg tcctcaagtg gaatgagccc 540
agcatcaagt tttacaagca ggtaggggcc caggctatgg aggagtggat gaaaatgatg 600
gttgaggggc cggccctgaa taagttggcg gagggactgt ag 642

<210> 16890
<211> 222
<212> DNA
<213> A.fumigatus

<400> 16890
tggagatggc caatatcaat tacatcacca tctagcaatt tggagatacc ctacaacagg 60
gtcaagcgat atgccaagaa caaacacagt ctgattcctc tatacgcata tatcatcgcc 120
acaacattga gttccaagat ctttgagctg tctcaccgct cttgcaatat cagacccttg 180
gataggactg cggttgtcaa gtgtaccttt gttctggaat ga 222

<210> 16891
<211> 1302
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (835),(1261)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16891
agatttgagt tggacgagcc attaatcgag caggagctag tggacccgcc acagatcgtc 60
tcaggaccta tacacacaga tccttctact acgagtgcga gcgattcgat tgcgccaact 120
tatgacgtgc cacgacgaac aacgcaattg gttaaaataa agacttgctc tgggaagaca 180
cacacagtca ctcagagaac ttataagccc cgagtttcat acgagaggct agtggcaagt 240
cgctcgacta cgggactagg acgagcgcag aaaagctact atggcattaa tatccatcaa 300
atattggatg aggttgcaag agaaactgaa caggctaaag cttccacaaa agcactggac 360
cgcacgatac agcattctgt tgaggctccc cttgagggcc aaaggaataa gaaaatggca 420
gcggcgatgt ggacagagaa ataccgcgct cggaagttca ctgagcttat tggagacgag 480
cgcatccatc gatctgtttt gcgatggttg aagggctggg agccgatcgt cttccctaat 540
cttgccaagt cgagaatcaa aaagccgggc aacaacaacg atgacggcga gcggctgcac 600
cgtaaggttc tactgttgtg tggtcctcca gggctcggaa agacgacatt ggcacacgtg 660
tgcgccaaac aagcgggata cgaggtacta gagatcaacg ccagtgatga ccgcagcaaa 720
gacgttgtca aggggcggat tcgagatgcc cttggcactg aaaatgtgaa aggagtgaat 780
gtggaggtgg gagatcgcaa agtgcgaaag gctgggcgac cagtgtgcgt cgtanttgac 840
gaagtcgatg gagtcgttag cgggtctggg agcggtggaa aaggaagctt catgaaggcc 900
ttgattgacc tcgttctact cgatcagaag aacatggcac gatcagccga tcagaatgcc 960
aagaacggga aaaaacgtaa aggcgacact ttccggttct tgcgcccact gatcttggtt 1020
tgcaacgacg tgtatcaccc tagcttacgg cccctgaaga cctcctctga agttgaaatc 1080
attcatgtcc gccaagcacc ttttgaaaat gttgtctcac gcttgaagag catcttagcg 1140
ctggagggca ttccatcaga caccaacggt gtgcggcggt tatgcgaggc atcatggggt 1200

ctggcgagga agaaaagtgg ttggctcaaa agcagtggga acggccgaaa ggtgatatcg 1260
naagtgtgct ggtcgctgcg gagtgggtgg cgcataagct ga 1302

<210> 16892
<211> 183
<212> DNA
<213> A.fumigatus

<400> 16892
tttcgaggtc atgtccatga taccctcaat catctggtct acggaagcac tcagagaatt 60
ctagttcgca agtctgtatg catctgctcc tactccgaag acagtagagc cttgtttttt 120
gatgctacta ttcgcttgct gaaccatttg attgctagta atttgatcgg cctccctcgg 180
tag 183

<210> 16893
<211> 711
<212> DNA
<213> A.fumigatus

<400> 16893
tatagccctg agttgtcttt ctgttcttct tgcgcaaact acaagatgtc tttgaagcct 60
atcgtccttt ggagccacgt tatgggcccg aatcctctga aggttgtttt cattctggaa 120
caactgggta ttccatacga gcagaaatat ctcgcaacgg accaggtaaa gaaagagcca 180
ttcgtgaaca ttaatccgaa tggccgcgtt ccagcgatcg aagaccccaa tacgggaatc 240
acgttatggg aatcgggtgc catactcgaa tacctggtcg aaacgtacga caagcagaat 300
accatcagct ttcctaccgg ctctccagag tatttccaag ctaagcagtg gctccatttc 360
caaatgtccg gccaggggcc atactttggt caagcagtgt ggttcaccat ttaccatccg 420
gaaaaggtgg acagcgcgaa ggagcgatac tacaacgaaa tccgacgtgt ctgcggcgtc 480
ctaaataagt acctccaaaa ccgcgagtac ttggtcgggg ataaattcag ctatgtcgat 540
gccgcattcg ttccttggtt ccggattatt ccagcaatca ccggggacgc tatcgagctt 600
gggaaggact ttccaaacct cgacgcatgg ctgaagagac ttcatgccct gcctgctatt 660
tccaaggctt tcaaaatcca agaggcagcc aaagccgcac aggaaaagta a 711

<210> 16894
<211> 339
<212> DNA
<213> A.fumigatus

<400> 16894
agaccaccac aaaccgaaca aaacatcctc cgaacaccag tcttcaaaat tctctctgaa 60
caccaagtca aaatcacatc aaagacttct ctaagccacc aatcatcact caaagtcaac 120
atgcctttca gaaccaccat gtcctccaac acctcctcca gcgacgctgc ctctacacgc 180
tccgtctcct ccaaagcatc gaccctagag ggcatccaaa acatgcacaa gaagttcctc 240
gtgacgaagc aaaaggccta cattaacgcc aactcttccc catgcttcgc tgctgctgag 300
cacaacgccg ccgtcgccag ctatcttgct ctgcggtga 339

<210> 16895
<211> 270
<212> DNA
<213> A.fumigatus

<400> 16895
atccaatggc ctatgagaaa cttgttcagt ttggccgcac aacagaaaca catcgcgaac 60
aagaagtgct tacggttcca tacgataagc ccagccccca tgcccgccac cttcactctc 120
aattcgaact ttttcaaata ccacccccaa gcctgtcatg actcgaactg cggcctgaac 180
aagtgcccgt tcactgtctt tgcgaacact ggccacactc ttctgctccc cactcccacg 240

caccacaact ggtctcacat caggcgatag 270

<210> 16896
<211> 228
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (81)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16896
aacgaggtca atcaaggcct tcatgaagct tccttttcca ccgctcccag acccgctaac 60
gactccatcg acttcgtcaa ntacgacgca cactggtcgc ccagcctttc gcactttgcg 120
atctcccacc tccacattca ctcctttcac attttcagtg ccaagggcat ctcgaatccg 180
ccccttgaca acgtctttgc tgcggtcatc actggcgttg atctctag 228

<210> 16897
<211> 687
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (663),(664),(665),(667),(670),(671)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16897
gccagttcga ctgcccttac gctgccctta ctcgcttcaa ctgccgcacg tccccgatat 60
tatcctcggc cacgcagcaa gatgaattct ttcaactcct ggatcaaggc actgtcacat 120
actagccggt catgccaggg ccgagtgatc tcccaacacg tgatgcatcc attttctacc 180
accatgagcc ccagctcaag cgcaaaagaa aagacccgcg aaattgagag acaaattctg 240
aatcccaatt cagaacagac cactgacgat aattcgccgc tctctgctat tactagaatg 300
atgcagggag aaaaagctcg cgctagccag gccgtcagtc gggactactc ccgcatggcc 360
gagagtttgg aagcagagat gattaaatac ccatatgccg atcgttctcc tcctcaccat 420
cttcacgttt acgcccacaa acacaatact ctcctgacgc tgacgcagcc gaacgggaac 480
ccaatgctgt cgatgagctg cggacacctc ggttttcgga aaggaggccg ttctggatat 540
gacccagctt atcagttgac gtcccacgtg tttggtcaaa ttcaggaaag aggttttctc 600
atggacatta aacgacttga aattgtgtct tcaccggggg tgcaagggcg ctcagtggtc 660
acnnnangcn ngtccaaggg tctccaa 687

<210> 16898
<211> 1002
<212> DNA
<213> A.fumigatus

<400> 16898
gctcccaccg agtctcagaa gcgcctggcg cttgcaatta ttgacttttt gaactccagc 60
ctgaaggatg gcaccctgac tgcggatgac gctgaatcca ttgagatcgc tcagtcgtgt 120
attgcagaca ctttcaaggt cgacccctcc gatgaggccg ccgtcaaaga cgctcttggc 180
ggacagtctc tggcgagcat cttcagcgtc tacgagaagc tccgtcagaa gccttcgaaa 240
gaacccgcca gtgctggcgc gcaggctcag agcacagagg cacagcaacc caaggctggt 300
gcccccacac ccgagtctga caagttgaaa tcggagggaa atgctgccat ggcccgcaag 360
gaatacagta aggcgatcga tctttacacc caggccctgt ccattgcccc cgcgaaccct 420
atttatctct caaaccgagc cgctgcctac tctgcctcag gtcaacatga gaaagctgcg 480

gaggatgcgg aactcgccac tgttgtcgat cccaagtact ccaaggcctg gagtcgtctc 540
ggcctcgcgc ggttcgatat ggcagactat aagggagcaa aggaagcgta cgaaaagggt 600
attgaggcgg aagggaatgg aggaagcgat gcgatgaaaa gaggtctgga aaccaccaag 660
cggaagatcg aagaggccaa ccgtggtgcc gagcctcctg ccgacgatgt cgacgatgcc 720
gctggagcat cgcgcggtgc tggtggaatg cctgatctct cttctctcgc tagcatgctt 780
ggtggcagag gtggcggcgg tggtggtatg cccgacctta gctctatcat gagcaacccc 840
atgttcgcga gcatggccca gaacttgatg agcaacccag acatgctgaa caacctcatg 900
aacaaccctc aattgaggca gatggcggag aacttcggca ggggtggcgg aatgcctgac 960
atgtctagct tgatgagcga cccaagcctt gcggagatgt aa 1002

<210> 16899
<211> 879
<212> DNA
<213> A.fumigatus

<400> 16899
agcatgatct cggctagcaa aatgtcggct gtcgcacggg cggccactct acggtcccat 60
gttcccggcc tgaggacgac atacagcaat gccatcgctt cttcgcggac tctgattcat 120
aaaagtgctt attcgacctc catccctacc tcgcctacag tattacagcg ccaacaaacg 180
tccttcccga caggcgttca acttatttct ccgtatactg ctttgccatt gacgcggtca 240
ttccatattg ccactgcccg ttggcaacaa cagcaaaaag agaagcatag tgaagaacca 300
aaaagtgaaa agagcgaaga ggcgaagagt gaaggggggca aggaagaagg acagaaggag 360
gcgcctccac caccgccgcc tcacggagac aagactccat ggcaggtttt cagagagact 420
ctccaagcag agttcaaggc atcaaaggaa tggaatgagt ctactaaggc tctcgcatcg 480
tctgctcaag agttcgccga gaacgagaat atcaagcgcg ctcgtgccgc ttatgaagcc 540
gcttcgggtg cagcaacttc gaagacgtcg gctgcgttga aaaaaaccgg tcaggccatc 600
ggaaaaggag ctgcatggac atgggaaacc cctgttgtta agggtatcag gaagggtgtc 660
agcgccactg gtgccggact tgaaaaggcc acaagacccg tacgtgagac ggaggcctac 720
aagaacgtaa aggaagccat cgacgacgga agtagctccc gctatggtgg ctggattgag 780
aaggaggagc gccgtagaca gcggcaattg cgtgagcaga aggaaatgat gaagagcggg 840
cgccgttcga ccgagccgct ggttgaagat ccaaagtaa 879

<210> 16900
<211> 522
<212> DNA
<213> A.fumigatus

<400> 16900
atagagactc ggcggaaccg gcgctcatgt tttagctgtg atagtagctt cggcttgttg 60
atccatttct tcaatatctt ttctattcct ttttttttatt attactacct gagtaccttt 120
gtcctctcca cagatttcat ggacctggtt taccagtctt tcctggcctt catggtcttt 180
gctgaggcga tcgccgtcag caaaggctcg gcggatggat tgttactcat agcgaggacg 240
cctttgatcc tggcatgcct gcataatggc caatatcctt ttttttttccc tatcactatg 300
ggcgtatacg gcgttgaatt atatgatctg cgacaaacaa ctccactccg aacattttca 360
tgtattggca tctggaatca tacccagcct tctagccggt tctgctgctt tttggtacga 420
gctacctgga catatatttt gaacatcgac actacaatgc actggtggct tcttggtatg 480
ctctgtcagg gtaaacctct atctaatcag gggcaaatat aa 522

<210> 16901
<211> 780
<212> DNA
<213> A.fumigatus

<400> 16901
agagcgggcg ccgttcgacc gagccgctgg ttgaagatcc aaagtaagtg ctgctttcac 60
atggagcttt ttcttttcag aactctgaca attgcctggc gcagtgctgg taccaatctc 120

actattcaca aggactctgc ttggaaagag tcgtggcgcg aattcaagga gtcaaatcct 180
atgatgcaga aactctttgc tctgaaggag acatacaatg aatctgagaa ccctctcatc 240
agtacggcac gcagcatctc ggatcgtgtc gccagcttct tcgccgaaaa tgagactgcc 300
caggtcatca agaagttccg ggagatggac cccaatttcc agatggagtc gttcctgagg 360
gagatgcgcg aatatattct gccagaagta ctggatgcgt acgtcaaagg cgatattgag 420
acactcaagc tttggctctc tgatgcgcaa ttccatgttt acgctgctct ttccaaacaa 480
tacaccactg cgggactcaa gtcggatggc cgcatcctcg atatccgagg tgttgacgtt 540
tctcacgccc gtatgctgga gccaggcgag atccccgtct tcgttgtgac ctgccgtaca 600
caagaggtac atgtttaccg caacgttaag acgggtgaac tcgcagctgg tatggaagac 660
aaggtgcagc tggttaccta tgctattggt ctcacgagaa tacccgagga cgtcaacaat 720
cccgagacca gaggatggag gttgattgaa ctgcagaagg ctgcccgtga ttacatctaa 780

<210> 16902
<211> 327
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (15)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16902
atcggacaag agcgntacag agcccccgag atcctattcg agcccgagct catcggcttg 60
gaataccctg gtgttcatca gattgtccaa gacgcgatta cccgcacaga tctcgatctt 120
cgcaagtctc tatatctcaa catcgtcctc tcaggggct caacgctgtg caagaacttc 180
ccagatagac taatgcgcga gatcaagaga ttggccgtgg aggacatgaa gattcgcatc 240
tctgctccgg cagaacggaa atacaccacc tggatcggcg gtggtatcct cgctgggctc 300
agcacattcc gaaaagtacg tctttaa 327

<210> 16903
<211> 255
<212> DNA
<213> A.fumigatus

<400> 16903
gtaaaggaag aaagtggtgg tttggttatc agtcaacgca aggtatggaa catctttatt 60
tggccgttaa atagcactgg cttcttcttg atatctgaca ttgaatgttt gttaggttct 120
ggcattttct cgagtgttac ggatgggatt cccttcatcg ttgtgcccaa tccttctctt 180
caggacaacc atcaagagga actagcgcgc cagttacaga aacaaggata cgtggttgct 240
agtcactatc agtag 255

<210> 16904
<211> 933
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (867),(908)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16904
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tgtcaccaca attcgtgccg cgtttccccct accgacttcc tccccaaaca caacccttct 120
cctcacagaa tggccgaggc aacgcttcac aacgccccca ttgtcatcga caatggcagc 180

ggcacaatcc gcgccggttt cgccggagaa gagatcccct catgtttctt cccctcgttc 240
gtcgggcgac caaaacaccc ccgggtgatg gccggcggtc tacagggcga cgtgtttatc 300
gggcaacgag cacaggaatt gcgcgggctg ctcaagatcc gataccccct ggaacacgga 360
attgtgacgg actgggatga catggagaaa atctggcact acgtgtacga gaacgagctg 420
aagacgctac cggaggaaca tcccgtgctc ctgacggagc ccccgctcaa cccgcgcaag 480
aaccgcgata tcgctgccca gatcatgttc gagacgttta atgtgccggc gctgtatacg 540
tctatccagg cggtgctgtc gctgtacgcg tccgggcgca cgacgggcgt ggtgctggac 600
tcaggggacg gggtgtccca cgcggtacct gtgtttgagg gtttcgcgat tcccaatagt 660
atacggcgga ttgatgttgc ggggcgagat gttacggagc aattgcagct gctactacgg 720
aagaacgggc atgtgctgca tacgagcgcg gagaaggagg tggtgcggat gatcaaggag 780
aaggtctgct acgtgtcttt ggatccgaag cgggaagaga aggactggat gaacagttat 840
cacaagtcgg agaccaaagc tgtcgantac gtattgcgtg atgggcacaa gatcaaggtc 900
agcctttnta ctttcatggg gagaccaagc taa 933

<210> 16905
<211> 276
<212> DNA
<213> A.fumigatus

<400> 16905
gggggggccg aagcgcgata ccttccagcc gcggggcgtg aagacgggct ggcctcctcg 60
ggctccttga tcgccggcat caactatgcg aatcaggtcc gcgagaatct gcacaagagc 120
ggcaatggca ccgacacgag cagccaggat acgtctatcg ctagcttagg tttcggaatg 180
attcaggtag cgatcggtat cactgtggga ttattcattg cggcgctggt tgtatatccg 240
tttgggaagc gccggagtgg gcttttcagt ttttaa 276

<210> 16906
<211> 1131
<212> DNA
<213> A.fumigatus

<400> 16906
ccttttacgg tacgcccttc ttcccctgtc tctcatctgt gcatccatgt ctcattccct 60
cctttcctaa tagacttcct cggtgtgagt cccaatgcca accaggacga attgaacaag 120
gcctaccgca agaaatccag acttctccac cccgacaagg tcaagcgatc cttcatcgcc 180
aaccgttcca aggacaaggg caaggccaaa actaccaagc agggcgtcca tgtcagcaag 240
ggtccctccc agcgcgaaat tgctgccgct gtcaaggagg cccatgaacg ggctgctcgc 300
ttgaacaccg ttgccaacat cctccgcgga cccagtcgtg agcgttacga tcacttcttg 360
aagaatggct ttcccaagtg gaagggcacc ggttactact attctcgata ccgtccgggt 420
ctaggaagcg tgcttgctgg gctctttctt gttttcggtg gtggtgcgca ttacgccgcg 480
ctcgtcctca gttggaagcg gcaacgggaa ttcgtcgacc ggtatattcg ccaagcaaga 540
agggccgcct ggggtgatga acttggcatc cgtggtattc ctggcgtcga ctccaccagc 600
actgccgtcc ctcctccacc tcccgaacaa ggagaggcaa ctgcaatccc tatgaaccgg 660
cgccagaagc gcatgatgga gcgcgagaac cgcaaggaaa gcaagaaagg ctcaaaggca 720
tcacctcgcg gctccggcac tgcaacaccc accactgagt ccgtccagcc gactggcgag 780
aggaaacggg ttatcgctga aaatggcaag gtcttgatcg tcgattccgt tggaaatgtc 840
ttcctcgaag aggagaccga ggacggagat cgccaggaat acctgctgga cgttgatgag 900
attcagcggc caactatccg cgacacaatg atgttccgcg tcccgatttg gttgtaccag 960
cagaccgtgg gcaaactgac cggagcttcg accacgggag agcacgaagt ggacgctgaa 1020
gaagaatctg cagaggccac ggagcaggag gtccaggata gcagcagttc tgctctcagg 1080
accaatggcg gcgcgtctag acggagaggg aaacggtcac aaaggtccta a 1131

<210> 16907
<211> 243
<212> DNA
<213> A.fumigatus

<400> 16907
ggagagtcaa gtctagactt ctatttgatt ctttgttcgg gccattgcgg cattgaccgc 60
ttcccctctg tgcccatcat gaagcctctt actctccgct tgtttgtgtt tgctgttcta 120
gtggtacttg ctgctgcttg gactaaagaa ggtttgtcct cttattcttc ccctttgtat 180
cgccatggat ttccttggga acaaaaaaat tgtcgcatca atgctaattt gttaagatta 240
tga 243

<210> 16908
<211> 285
<212> DNA
<213> A.fumigatus

<400> 16908
ccggagcttc gaccacggga gagcacgaag tggacgctga agaagaatct gcagaggcca 60
cggagcagga ggtccaggat agcagcagtt ctgctctcag gaccaatggc ggcgcgtcta 120
gacggagagg gaaacggtca caaaggtcct aagtcagtct gtcctcagga tggacgcgca 180
attgtcaagg tcaagccttg gcttatacta ctctttttga agcattatcg gcgagaaatc 240
attgtataca tgtatatcaa ttttagacgt aaaaaaaaaa aatag 285

<210> 16909
<211> 1239
<212> DNA
<213> A.fumigatus

<400> 16909
gccaatcgag aatgcttttt ccgaggaggc ggtctaggtg gtcggccgcg agctccttac 60
ggtatgcccc gatggggaag accaccgggg gcacgagtgg ggagatccag cgggagacag 120
gcggctcagt ggatggatat taataatgtg cggattcagg aaattgattg cggggccgaa 180
gaggaatacc ttctgcgacc tggtcgcgct ttgtatgctg ctgaacaacg gaggaatggg 240
tggccgaggc gcaatgagga ctacgacgca tctgctggtg atgtgcactc ggtcgacggc 300
atagacttgg atctggacga cgattcggac agcacagtgg catatgcagt gcaattagcg 360
atgaaagacg atgaagagtg gctggtagac aaggccctgg aacggatacg gcgtgcgcag 420
ttactgggcc agaagaatgt acgactttca cagcgggagt tggacgccct cgaacgaaaa 480
cggatgcaaa ctagcggtat ggaagacgtc ggacagagaa acaaggttcc caaggcagcg 540
tctgtcgcca gcagacccct gaggcccgta gagagctcca caaacggggg actgggaaat 600
ctctggacaa tgcggcatgg atctagcgcc ccaaacggta gcataccgcg tacctttgtg 660
gcggacaaga aggagatgta tgaatcgagg gcgcgggcct cgggagcgtc ggccagggac 720
gattctcctg tactaccacg cacgtccaca gtgcctaacc tgcaacctcg aatgtcgggg 780
cctccgactt actcatccgt tccacgcgat tctcggtcgg aggttcccct cacctacccc 840
agccctcgtc caccggcgac cttccagaac cctccatatg cacgcatcct tcctcacggg 900
ccacaatggg tgccttcgta ccaggcatcg tatgctttgg caaccgtccc tgcgggatct 960
caaagccatc cgggccatat ggcatacccg gcaactcccg cgtctgttct tggcgatcgc 1020
catccgctga gtcgtcagca tgtgtccttg aattcgacca ggggcgattt gagcagcgca 1080
gctgacgaag aagaagacag tgaatccgac aatgacggtg ataggataca cattgtggat 1140
gtggtgcgac gaaaagtgcc aattggtctt cagagacggc cttctgcagc cggcggggcc 1200
ggtgccagag cagttcaccc acgatctcga cgttcttga 1239

<210> 16910
<211> 924
<212> DNA
<213> A.fumigatus

<400> 16910
ggaaaaccaa gagtccttga tcccctcagt atcttgaatc ttcagggatt cagtctggtc 60
catagcaagt cttggacggc ggtgaccaaa agcgctaagg ttgtaaaggc taagagcccc 120

ttgtgcctgt tgcagcgccg gaaccaaaat tacgacccaa atggggctag gctgaaggtt 180
ccaatgattt ttctctctcc aggcttcctc atatcttccg gccagataga tctgtcaact 240
ttgccttcac ttaccacccc tttttacgaa gtacttctct gctcattgac tcgattcacg 300
gctacttctt gtctcctaat ccttttcaat ttttcctggc cgtcagttac tacttcagag 360
tttatatcca tccacaaatc ttcctacaac caattcacaa tgagtccaat tcagttcccc 420
attgacgcga ttgcctcgcg attcggtgat cgcttcaata gcgtccgcgc gcaatctctt 480
acctcgcgtt tctccaacct ccgaccaatc tcggagttcc tcgatgtcaa gcgcctctcg 540
aagcctgcca attttggcga ggttcaaagc cgtgtgaact acaacctggc ctatttctcg 600
agcaactatg ccgccgtctt tgtcatgctc agcatataca gcttgctgac caatctgtcg 660
ttgcttcttg tcatcctgtt ggttgctggt ggtctgtatg gaatcggcaa gctccagggc 720
cgtgatcttg acttgggctt tgcacgattc accacctctc agctgtacac cggtctgctg 780
attgttgcgg ttcctctggg tctttatgct tcccccatcg ccactgcgct ctggctgatt 840
ggagccactg gcgtgactgt cttcggtcac gccgcattta tggataagcc aatcgagaat 900
gctttttccg aggaggcggt ctag 924

<210> 16911
<211> 228
<212> DNA
<213> A.fumigatus

<400> 16911
ggtactgatt actttagtgt cggatacctg atcagtgcgg tgctcatctg catcgagtat 60
ctgtggctgg ggatcttcta tcgctcgcag catcgcatct tattcgcgag ctttgtgatc 120
aaacttgcgt ttgtgatcat cgaagtcgca ttagccattg catttggtat ctgcactcgc 180
cgcagttctg gcaagaaaaa cgttggcgct atctttggaa tgggttag 228

<210> 16912
<211> 444
<212> DNA
<213> A.fumigatus

<400> 16912
aaatcagtta gatgggggca aacttacatc cttgatgctt tgatgtcata tgtgcctcag 60
gacacagcag aagcactctt gctcgcagag cgtgtagcgc ctcgcctttc gcactccaat 120
tcctccgttg tcctcacgtc gatccgtgtc atcctctatc taatgaacta catagccgac 180
gaaaggcaca tcacttcttt gtcgaagaag ctctcaccac ctcttgttac tctgctgtcg 240
aaacctccag aagttcagta cttggctctc cgaaatgcca ttctcatttt acaaaaaaga 300
cccgaggttc tacggaacga catccgtgtc tttttctgca actacaatga cccgatttat 360
gtcaaagtga ccaaactcga gttaatattt atgctgacca cgaaggagaa catcggaatc 420
gtgctagcag agttgcgaga gtga 444

<210> 16913
<211> 246
<212> DNA
<213> A.fumigatus

<400> 16913
tcgtcgccgc gtggagtggt catatcggtc atcacggtcc ttgtatctgc tggaatgtcg 60
gtcttcgtcg cccctatccg ctctgcggtc tctctcactc cgacgatcat ccctccgatc 120
atggcctctg tgctcatctc tgcgatcatc ccgtctatct ctctcgtctc tgtaatcgcg 180
atcatccccc cgtttcctgt cggaccggtc tggcgacaag ggagaccgag acctgtgccg 240
atgtga 246

<210> 16914
<211> 1041
<212> DNA

<213> A.fumigatus

<400> 16914
agatatgcaa ctgagatcga cgttcatttc gtccgaaaag ccgttcgtgc catcggtaaa 60
ctggccatca aaattgaatc tgcagcacgg cagtgcatcg acaccctctt ggagttggtt 120
aacgctaaga tcccttatat tgtacaagag gcgactgtgg tcattcggaa tatctttcgc 180
aagtatccca accagtacga aagcattatc agcaatgtca ttcagaatat cgacgaattg 240
gatgaaccag aggcaaaggc agccatcatc tggattatcg ggcaatatgc agaccgcatt 300
gagaactcgg acggactgct ccaggattac ctggccactt tccacgacga gacggttgaa 360
gtgcaactcg ccctcttgac ggccaccgtc aagctgttca tccaacgccc taccaagggt 420
caacagctcg tacctcaagt cctaaaatgg tgcacagaag aaacagacga cccggatctc 480
agggatagag gatacatgta ctggcgcctg ctgtcgaccg acccagctgc cgcgaagcag 540
gtcgtgatgg gccagaaacc acccattagc gcggaaagcg agaagctgga ttcgcggacc 600
ctggaagaac tctgcttgaa cgtcggcacg ctggcaactg tgtacctcaa acccgtccag 660
caagttttcc gctctgcgcg gacccgacga ttgcagtaca gccctgccct gcagaaacct 720
caagacgaga acggaagtgg tgcttggcaa ttcctcacag gtacggggcc ggattcaggc 780
gttgcggcca atgcatcacc gacgaacggt tctggtaccg gtgcaagcag catgaatgcg 840
gctgtgagcg ccgcagacat gtacttcaac aacgtcggaa gccagcagat ggcggcactc 900
gacctgggtg gtcgagaaga tggcggttct ggcggcggag gagcctcaca gactcaatac 960
gtagtgaacc agaaccagca gcaagtgtac cagcctcagc tggctggcgg ggccgcgaca 1020
ggcgagttgc tattattgta a 1041

<210> 16915
<211> 189
<212> DNA
<213> A.fumigatus

<400> 16915
tccaattatg gcattctcat atctgctccg ctgtggctac tacaacccga ttggattttt 60
tccctacact ttggcgtgga ggaggaatcg atgcctaata atcaatgcca aaaaaaaatt 120
accgtttctt taatttttc ccagccactg cgcaacgaga gcaaagctca gggtataaca 180
gctgcttga 189

<210> 16916
<211> 324
<212> DNA
<213> A.fumigatus

<400> 16916
ttcgaaatca ctttcccctc tatgttcatc gccgtgcttc cttatgcaac cagctatggc 60
tcaccattct ctcaatcttc acagggcaaa gtcgcggagc tgcgccagga gctcaatagc 120
ggcggcaaaa aggacaagaa tttctcggcc aagaaaatcg ccctcaagaa gatcgttgcg 180
aatatgacta tgagcaacaa tgacatggtc gccttatttc ccgatgtgat cggttgtatg 240
aacttgccca gcctggagat aaagaagatg tacgtcccta gcgaggataa tggatacaac 300
gcgcaggcac gaacagacga ctaa 324

<210> 16917
<211> 387
<212> DNA
<213> A.fumigatus

<400> 16917
gctaacattg cgtctcagga tatggacgac tcgaacccgc ttgtgcgcgc gttggctctg 60
cgaactatct cgtatgtgca cgttcgcgag ttcgtcgaag caacagtcca gcctcttaaa 120
cgattgatgg gggacattga tccctatgtt cgaaaaactg cagcttttg tgtttcgaag 180
ctgtacgagc acgataagaa gatggttgag ggatcggatc tcatcgatcg gctcaatcga 240

atgctcaagg atgagaatcc aactgtcgtg tcgagtgttc ttgcttcttt gacagatatc 300
tggggacgaa gtgaatcaat atcactgacg attgactatg caagcgcctc aaagcttgtt 360
tctatcctac cagactgttc agagtaa 387

<210> 16918
<211> 1389
<212> DNA
<213> A.fumigatus

<400> 16918
agaagtaagt acctacattt ccacagcctc aaccatccct tttgtatcac tcttactcac 60
caacatatca gatcatggca tccgtcgctg ctccgcaatc aggagcgcgt gtgggcggaa 120
gagaaacgag ccctagagga acgcaaacgc atcgagcaac tccgtcgtga acgggaagaa 180
gagcgccaga tccaagaact acagcgcttg caagaagctt cggggaaagg tcgccagctg 240
aaccgggtcg attggatgta ccaggcgcca tcgagcgcaa caggtcacta tgctgaagag 300
atggaaggat acctattggg caagcgccgt attgatggga ttctgctcaa aaatgatgag 360
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aataaccccc gggacaccat ggcgaaggtc atggcggatc cgttgctcga gatcaagaaa 480
cgcgagcagg ctgcttatga gaatatggtg aaggagtcgg tgagacggag tcagcatatc 540
cgtgacaagg atcgtgatag ggataggggaa cgccgtcgtg accgtggtga ccgagatcgg 600
agtcgcgatc gggatcgcag ccatagacgt tcgagacatg aagatgagga tgcgcaccgt 660
tctcaccgcc atcgatcaca tcggcacagg tctcggtctc ccttgtcgcc agaccggtcc 720
gacaggaaac ggggggatga tcgcgattac agagacgaga gagatagacg ggatgatcgc 780
agagatgagc acagaggcca tgatcggagg gatgatcgtc ggagtgagag agaccgcaga 840
gcggataggg gcgacgaaga ccgacattcc agcagataca aggaccgtga tgaccgatat 900
gaccactcca cgcggcgacg atcatatgca gatcgttcgc catctcctcg acgcggcaat 960
cactactatg atagacgccg aacagaggac aggagcgatg gatatcacag agactctcga 1020
aaccatgatc ggccagaatt ctaccgaggc aacgacagga aagttaacaa ggaacccaga 1080
gactcgaatc ttagggaacg cagctcgaat actagagatg aagttgctgg taacaaagaa 1140
aaggttctgg aagaggaacg caaaaagaag ctggctgaga tgatgtccaa cgcagacgag 1200
ttggaacaaa agcgtcttca gcgcattgcc gaggtcacag ctatggaaga aaaagagcgc 1260
gaagcagacg aaaagcagcg ctctgaacgg ggccgctttg ttggtcaact ccatcgtcag 1320
ctccaggaag atagtctgga cgatcggatt cgacgcagtc gaggtggctt ggagaggatg 1380
gaggattag 1389

<210> 16919
<211> 561
<212> DNA
<213> A.fumigatus

<400> 16919
tatgacgccc gaaatccttc ggatgtgtcc ttggagcagc ggcacgaacc tccaccgctg 60
cagccgcgcc aggaccagct tgagaaggcg catgcgcaat ttggtacacg tatctcggat 120
gctgtgaaca ctattcagaa tacaacggtc tcagatggta ctccgtttgg cttggtccag 180
catctgctta gtccattgaa agatgcactc ctccctgtcg gtacacgcgc ctatggtgct 240
ttggtttacg cgaatttggc caatgcatct gtgcaacaga acgacgagat ccgagctgga 300
gatattgtca ctttccgcaa cgcgcggttt caaggccacc gaggcacgat gcatcagaaa 360
tacaatgctg aagtcggtaa gccggatcat gtcggtattg tcgttgactg ggatggtacc 420
aagaaaaaga tccgcgcatg ggaacaaggc agagaaagca agaaggtgaa ggtggagagc 480
ttcaagctca atgatttgcg aagtggagaa tgcaaggtgt ggcgagttat gcctcgaagc 540
tgggtaggct gggagagttg a 561

<210> 16920
<211> 1656
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1563),(1624)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16920
tggctagaat cctccattag ccatataaaa tgttcgtgct attctaatct ggtcagtatt 60
tgccatcggt gttgtcagct gtcacccgac ctcgactcaa acaaacctca acgactctat 120
gtccgcaacg cttctccaaa cgttggcatt cgtcaaaatt tcccttcaaa cgcagccatg 180
ggaacattcc ggttcggccg attgaggtca ctcctccttg ccacgggcgc catttttctg 240
atctcgacct tttatctgta ctggacccca gcaccagcat ccgtggtccc cagcagcgca 300
tttgaagtcc ctctcaccga acgtcagatt gccttatgga aagccctcaa gtccatccta 360
gaaaagaatg cgccaaactg tccgtcccca gttgcccggg ccgatgctca tgcggtccat 420
ttcaatgcca cctcaaccga tgcgcgaccg gatttgaccc tcctgaaaga cgacgatcga 480
aaggcgatgg aagaagcgca tgcgaattat atacgcgata tccgggtctc ggaaaagttg 540
cgctcaccac acaccgctgg aacgcgtggc ttggtttcga ctgcgggggg ttcatacctt 600
ccggtgtttc tgtcgtcatt acggatgctg cgccgtacag gatctgcctt accggtagaa 660
ttattcatga aggatgcaac cgaatatgaa aagaagatct gtgatggcgt gcttcccgac 720
ctaggtgcaa agtgtgtggt cctttcagaa atcgtcggga aaacccctat tgcgcattac 780
caactcaagg cctttgcgat tctgttttcg tcgttcgagg agatcatctg gatggatgcg 840
gactgcttcc cgttgcacaa acctgaagag ctgtttgact cggaaccctt caagaccaac 900
ggcttggtca cttggcccga cttctgggcg tcgactgcat ctccggcata ctttgaactc 960
tctcggcaac caatcccacc ggtgtctgct cgacagtcgt ctgagacggg cgtttttatg 1020
gtgtctaagg aagcacattt gacaacactc ttattggccg cctactacaa ttattacggg 1080
ccgtcgcatt acttccggct gctgtcgcaa ggagctccag gggaagggga caaggagaca 1140
tttctgcagg ccgcaacggc actgggagag ccgttctatg ctgttagcga gagagtgcag 1200
gctctcggtc attggaagcc tgacggcgaa ggactctctg gttcggccat ggcgcaggcc 1260
gacccggtgg aagactatgc cttgaccagt caggacaaac ggcgggtcat agatccctcc 1320
gtggcaaagg cgccgcgtgt gttcttcata catgcgcatt accccaagtt taacccggcg 1380
gagaacgtct tcgggacgaa gtgggacacg accccgacgc ttaaagctga tggctcggaa 1440
gggcgtgcct ggaccgcacc ggaagatgtc gttagccgtt tcggctacga tgtggagagg 1500
aactactggg aagagattaa gtgggtcagt tgtgatccca agactcagtt ccagacatgg 1560
aanaacaaga acgaggtttg ccaaaaaagt caaaagctac tggcaaaaaa gtgttccccg 1620
gaancacacg aaggacgatc caaagtttac cgatga 1656

<210> 16921
<211> 729
<212> DNA
<213> A.fumigatus

<400> 16921
cccacagtaa tcgcaatgac atctgtcgac ccgcgctacg aacaactgtt cctagaaata 60
gagtccaggt tcagatccac cgccctcccc gcagacaaat ggtacattct cgcaatcgca 120
accatcgtcg ccagctccga ccccgagcgc gcagaccagc tctacctcca cctcattaac 180
cagcctggcc atgagtcccc cagcgcccga caagccctcg tcaagcgtct acgagaagcc 240
ctcttcaaat ccgtcatcat cgtcggcgtt tgcaagccca tcgaagccat cctggccatc 300
agcaaggtcg agcgcgacga agacaaagag tatacctgca cgcgggagaa ctggcaatgc 360
gacgcagcca accacgagcg tgggatgaac tggttcggca agctgtacgc gcgcaacgcg 420
tctaacacgc tggacctgtt caatgggcac aaggacttcg cctggttatc gatggagatc 480
acctacgggc tgtttctgtc tgatcggcag gttctggatg atgtggatac gcagatggtt 540
gtgttgccgg cgatcatgag ccagaatctc aggaccgaga cgcattggca tattcggggc 600
acgaggcggt tggggctttc cagggaggag gtacaggttg tttgggattg tgtacagcta 660
gttgcagggt tcttcggcgt aactttggac aaggttccta ctgttgagga agtggaagct 720
gacgtatga 729

<210> 16922
<211> 183
<212> DNA
<213> A.fumigatus

<400> 16922
aatcctccag cgaaaaccga atgggagaat ccccaaactc aatatcgggc gttgcgggaa 60
ccatcccact cccacagggc cctaaccttc cgcaagcttc caatgcaagg aattgcagtt 120
tccacccata acaatggctc cacctgggcc tttggtccaa attacctgct tcccactatc 180
cgt 183

<210> 16923
<211> 204
<212> DNA
<213> A.fumigatus

<400> 16923
tctcagcgac tcgaccatat gacatcacac cgtccagcat ctggtataaa gccctatcaa 60
tctctgacca tgaccacaca ttcatacttc aatgagctca aatacaatcc actaattgac 120
ctcacgcaac ctcttaccct ctcttcaatc ctcaatctca aaagatatta ccaaaatgcc 180
cacaggaacc caaaaatctg gtag 204

<210> 16924
<211> 189
<212> DNA
<213> A.fumigatus

<400> 16924
ggactttctg gaatagcaat aatatggtcc actatccctc gtggctgccc ctttttcagg 60
tttagtgctg gcctagagaa aagcagccaa gattttagtc aaccaaagat cgcttccata 120
attttgtttc cattcaacaa taaatacact gtaatggctg tggcaagaat gaaggacctc 180
catttctaa 189

<210> 16925
<211> 255
<212> DNA
<213> A.fumigatus

<400> 16925
gaacagttgt tcgtagcgcg ggtcgacaga tgtcattgcg attactgtgg gtcaataaat 60
gggttgaata ttgatgttag catagagaag gatgattcaa tctctgagtg ggctgtggtg 120
attatgcaag tatgcatcgc tgatgcccac ttaaaacccc acacccccaa ttcagtcctt 180
cagatgatgc atccaatgca ttcttactat gataacgctt taactcagtt aaaatccgaa 240
atcctgactg tctga 255

<210> 16926
<211> 285
<212> DNA
<213> A.fumigatus

<400> 16926
ttgacctcac gcaacctctt accctctctt caatcctcaa tctcaaaaga tattaccaaa 60
atgcccacag gaacccaaaa atctggtagc tcatacgctg gtggcggcca gtcaagcgtc 120
ggccagccct ctgtctacga ggctggcgac cagcgcaacg agccccagtc tgtcattaac 180
gaacgcgaac ggtaccatga gggccagaag ggaagtcaca aaaacttgga ttcgagtacg 240
tctctcccat cggacaacca gcttggtttg gtaccaggat catag 285

<210> 16927
<211> 258
<212> DNA
<213> A.fumigatus

<400> 16927
ccgaggaatg gcacgacaaa ggaactatgt acatatgcga tcaatgtcca tatcgtctat 60
ctcaaatatg ggtccccgcc atacatgggc gatgcacccc taatggacaa gagtcgcgta 120
tgtgcattca attatggccg catccctcac ctcctgattg cgacgcctaa gccccgaaag 180
acccttctc catttcataa aacaagaggt agacttcttt ctgcatgccc agcacgtctg 240
aggtcttgca ttccttga 258

<210> 16928
<211> 342
<212> DNA
<213> A.fumigatus

<400> 16928
tcgttcttga aatcgcagca tcgagctaat ccattgcagg gtgtcagcaa cgatggccag 60
aaggcctcca tcgctggttc tatcgccgct gcccactaca tccgcagcat tgctccctcc 120
tacggcattc ccgtcgtcct ccacaccgac cactgcgcca agaagctgct tccttggctc 180
gacggtatgc tcgatgagga tgagcgctac ttcaagcagc acggcgagcc cctcttctcc 240
agccacatga ttgatctgtc tgaggagccc gttgactaca acattgaaac caccgccaag 300
tatcttcacc acgagacgcc ggatccgcgc attcccagaa aa 342

<210> 16929
<211> 702
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (239),(251)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16929
gccagttttc cttcgccaag agataggagg gttctcgacc agaaaatcca gttgactcga 60
catgccatgg ttactgatct tgagaatctt cccgaaggag tcagctttct tccatcggac 120
tttgcaccta agcgaaagat tgctcgccat atgcgcatca ctattttccc aaagattata 180
gcaatccact tttcgcgctc gatctttgat cgcagtagtt ctacgaaaaa tgccgccana 240
gtatccttcc ntgaacgact tcctttggga ggaatattga gccagaagtg gttcaagctg 300
ctggccattg tctgccacaa aggcagtcat aacagcggcc actacgaatc tttccgacgt 360
aacaacctct atccaccttt ctctactccg gataccttta gttcctacgc gcaaagtcgg 420
gcaacccagc gtcaatccct ctactgcacc gagtcctcgt ctcgcggctc gcggggtcgc 480
cgagccagaa ccctccccaa tcagcctctc ttcctcgaca tcattaccat ccctgtcggg 540
cagttcgctt ccctccccag ctcgttctca gactgtgtcg gtgagggact cctcacaacc 600
tgcatctcag ctgaatgcgc ctccctcgcc gtctgctcgg cccaccacat ccagctcccg 660
tgtatccttt cagagtatcc gcaccaaatc gtcaggttct aa 702

<210> 16930
<211> 288
<212> DNA
<213> A.fumigatus

<400> 16930

aaagttttgt tgtttcgtga tctaagtact tatctatctc ttctcccgtc cagatctctt 60
tcctcctctt caatctcatc aaactcgatc ccatccagac actctagtcg catccaaacc 120
atagtcacaa tgggtatcct cgacaagctt tcccgcaagt ccggcgtcat tgtcggcgat 180
gacgtcctcc gtctcttcga gtacgctcag gagaagaact ttgcgattcc cgccgttgta 240
agtttactga tccttctgat agcttgcgca atacgccgtg gtgcataa 288

<210> 16931
<211> 717
<212> DNA
<213> A.fumigatus

<400> 16931
gccagaagtg gttcaagctg ctggccattg tctgccacaa aggcagtcat aacagcggcc 60
actacgaatc tttccgacgt aacaacctct atccaccttt ctctactccg gataccttta 120
gttcctacgc gcaaagtcgg gcaacccagc gtcaatccct ctactgcacc gagtcctcgt 180
ctcgcggctc gcggggtcgc cgagccagaa ccctccccaa tcagcctctc ttcctcgaca 240
tcattaccat ccctgtcggg cagttcgctt ccctccccag ctcgttctca gactgtgtcg 300
gtgagggact cctcacaacc tgcatctcag ctgaatgcgc ctccctcgcc gtctgctcgg 360
cccaccacat ccagctcccg tgtatccttt cagagtatcc gcaccaaatc gtcaggttct 420
aagcagaatc tctcgccgcc gggatctgaa accccgagtc cagctagtga tagtggggcc 480
tggagcaagt ctgggtcacg gccatccttc atgagtgagc ggaccacttc caagacgccc 540
ccagaagcac cagccctgtc gagttctcgg ctccgccgtc gcaagaagac gaatgatcga 600
tggtggcgca tctccgacga gaagatcaag gaatgcaaga cctcagacgt gctgggcatg 660
cagaaagaag tctacctctt gttttatgaa atggagaaag ggtctttcgg ggcttag 717

<210> 16932
<211> 249
<212> DNA
<213> A.fumigatus

<400> 16932
attcgcttgc actccgcata tcattatttc cgagatgttt cgatttgcag ttacagaagt 60
ccaagatgtg ctcactgggg tcccttcaag atgtcagatg cttctaacaa tgttcgattc 120
cgattgttgg acaagtctcc tgagtctggt cgattcattg gcaagaagtc acatgaccac 180
gcgtcttatg taacatacct agccactgtc agccacagaa taatgagcaa gcgtaaagac 240
tatcgataa 249

<210> 16933
<211> 1011
<212> DNA
<213> A.fumigatus

<400> 16933
tgcacacgtc cctttaccat atttcgctgg aaagcagacc gaacggcacg taccaagcgg 60
accaccatct gcctcacttg cgcgcgcctg aagaattgct gccaatgttg tatgcttgat 120
ctgtcgtttg gtctcccgat cgttgtccgt gatgccgctt tgaagatggt tgctcccggc 180
ccggagagct caatcaatcg tgaatactat gcacaggaac acgagaaaga gatccaagaa 240
ggtcgcgggg cggtcgaagc atacgagaag acggatgaga aggcgcgcga gctgctgcga 300
agactggcaa acagtgaacc gtactacagg aagcctcggc agcaactgga aggtccatcc 360
gatgattcga ctgaggcaca acccaccgac gctccagtcg tacagagccg ctatgggaac 420
ggacccgggc ctatccggac aagcgaaagt agaagaggaa caccactacc tggccgaggt 480
cgtggcaata tgcgcggtgg tcgcgcaggc cgtccgtttc ctggcaccgc tcagatccct 540
ccatctcccg aagattacct gcctcctgcg gacccgaata tcatgtccct ttttgtgacc 600
ggcgtggagg acgaccttcc ggaacacaca ctccgaacat tcttcacaca gttcggtcaa 660
ctccggtctt tgatctgttc acaccgcgct cattgtgcct tcatcaactt tgcgactcga 720
gagggcgcag aagcagctgc acagcattgc aagggcaagg ccgttattca gggatgcccc 780

ctgcgggtgc ggtggggtaa gcccaagcct ctggacaaca tggacaggga ggagcggatg 840
aagaatgctc gtgagggtcg attgacagtc caggcacaaa aggatggaga gtcaggacag 900
agagctatca cagctgcggg tgagcctgcg acagagaagc cacagagctt tgttgtggca 960
ccacccccag gtagtgggga tgtccaatac tcgagcttgt cgggcgattg a 1011

<210> 16934
<211> 927
<212> DNA
<213> A.fumigatus

<400> 16934
cctctacagg cccaagatca ctacgccgtt cttggtctgt ccaagtaccg ctggcgtgct 60
acccccgagc agatcaagcg cgcccaccgc aagaaggtcc tccgccatca ccccgacaag 120
aaggccgccc tgggagaccg cgatgagaac gacaactttt tcaagtgtat ccagaaagcg 180
cacgagttgc tgactgaccc tgtcaagcgt cgtcagttcg actccgtcga tgaggctgcc 240
gatgttgacc ccccgtctaa gaaggaggtt gccaagcgcg gtttctacaa ggcctggggt 300
cctgtatttg aggccgaagc ccgtttctct aaggttcagc ccgtccctca gctaggtgac 360
gagaacagca cccaggagga ggtcgagacc ttctacaact tctggtacaa ctttgacagc 420
tggcgttcat tcgagtacct ggatgaggat gttcccgatg acaacgagaa ccgtgaccaa 480
aagcgtcata ttgagaagaa gaacgccaac gcccgccgca agcgcaagac cgaggatatt 540
gcccgtttac gccacctggt tgacgactgc cttgctcagg acgagagaat caagaagttc 600
cgccagcagg ctcgtgccgg caaggacaag aagcgtctcg agaaggaggc cgaggcaaag 660
cgtctggccg aggagaagga gaaggctcgt ctcgaggagg agcagcgcaa gaaggaggcc 720
gaagaggccg ctaaggccga gcgtgagaag aacaagaagg ccaaggaagc cgccaagaat 780
gctgctaaga agaacaagcg tattctcaag ggctctgtca aggatgtcaa ctactttgcc 840
gagtctggcg agccttctcc cgctcaggtc gactctgtcg tcttcaccac ggggctggaa 900
ggatccgcgg tggcgctagg gatcaat 927

<210> 16935
<211> 189
<212> DNA
<213> A.fumigatus

<400> 16935
tcaaatatgc ctccgcctca gattaaacaa gatctgaaca ggtcaggctg ggagtccact 60
gacttccctt ccgtctgcga gaactgcctt cccgacaatc cttacgttca gatgctcaag 120
gaggattatg gtgctgaatg taaaattgtg ggttgtacat cctgttcagt ttatgtaaat 180
atttactaa 189

<210> 16936
<211> 402
<212> DNA
<213> A.fumigatus

<400> 16936
tcgtgcaaac taacaggtgt acagaagcgc caccaccgta ctttctccga ggatgaaaga 60
attcaggctc agcagaacgt caagaagact gaggatgatg acgacgatga gatctccgag 120
cctgaggacc ccgtgatgct gtccagagat gctaaggact ggaaggtttg ttcactcata 180
gttcatctca ctgttaagat tgatattgac ctctacaggc ccaagatcac tacgccgttc 240
ttggtctgtc caagtaccgc tggcgtgcta cccccgagca gatcaagcgc gcccaccgca 300
agaaggtcct ccgccatcac cccgacaaga aggccgccct gggagaccgc gatgagaacg 360
acaacttttt caagtgtatc cagaaagcgc acgagttgct ga 402

<210> 16937
<211> 564
<212> DNA

<213> A.fumigatus

<400> 16937
gtgacgagaa cagcacccag gaggaggtcg agaccttcta caacttctgg tacaactttg 60
acagctggcg ttcattcgag tacctggatg aggatgttcc cgatgacaac gagaaccgtg 120
accaaaagcg tcatattgag aagaagaacg ccaacgcccg ccgcaagcgc aagaccgagg 180
atattgcccg tttacgccac ctggttgacg actgccttgc tcaggacgag agaatcaaga 240
agttccgcca gcaggctcgt gccggcaagg acaagaagcg tctcgagaag gaggccgagg 300
caaagcgtct ggccgaggag aaggagaagg ctcgtctcga ggaggagcag cgcaagaagg 360
aggccgaaga ggccgctaag gccgagcgtg agaagaacaa gaaggccaag gaagccgcca 420
agaatgctgc taagaagaac aagcgtattc tcaagggctc tgtcaaggat gtcaactact 480
ttgccgagtc tggcgagcct tctcccgctc aggtcgactc tgtcgtcttc accacggggc 540
tggaaggatc cgcggtggcg ctag 564

<210> 16938
<211> 306
<212> DNA
<213> A.fumigatus

<400> 16938
tctgtgatcc acccctttc caccttacc acatccaaaa gtccaattgc tatcgccatg 60
gcccccgtag ctttggaaca agagaaccac ttgcgcgatg ccgagttcaa tcgtgcaatg 120
cacggaaagt ctgcccagtt tcggggtggc tttgctgctc ttcgtggcaa ggactcagct 180
tctcagaagg ccgctgtgga cgagtacttc aagcattggg acaacaagcc cgctgaagac 240
gagacagagg agactcgcgc ggtaagtaat ctgtctctgc taccgtctgg tattctagaa 300
ctctag 306

<210> 16939
<211> 204
<212> DNA
<213> A.fumigatus

<400> 16939
ttacagagca agaagagctc catctatcct agtccaagta cctatgcaaa gcagtctgta 60
ctctgtaggc ctacctaccc ccatactcat aggtacctgt cccagcaatc atcaactgat 120
gctgctcacg ccactgagtc caccctgtcc atgtgtcgat ttcccgattt ccccgagatt 180
gaggtgatag ccacgatgca ataa 204

<210> 16940
<211> 234
<212> DNA
<213> A.fumigatus

<400> 16940
ttaatgttca atcggtcgct tgattgtttc aactggggta tacgtaggca tcagcagctg 60
tcagtagccg cccatctaca aacttggaaa gcacagactc tacctagtac gctcacgaga 120
aagtactctg tcaaaaagta cgtttggccc gatacaacgg tctatatctc ccccgagcgc 180
cttgtccaaa ccccttattg gcctagccga acccgtccac aagctgtggc gtag 234

<210> 16941
<211> 321
<212> DNA
<213> A.fumigatus

<400> 16941
gtgtccggtc aggtcagggc tagactgact gtccaggttg gttccattga cgctcttacg 60

gagcgaggcg gcatctcgaa gacattcgtc gggctgatcc tgcttcctat cgtgggtaat 120
gcggccgagc acgccacggc ggtgacggtg gcatgcaagg acaagatgga tctgtcgatt 180
ggagtggctg tgggatccag catgcagatc gctctgctgg tgctaccgtt gattattgtg 240
ataggatgga ttatgggtat gtgctattcc tcgaatactt tgttgaccgt gactgactgg 300
caaaaggact cgaggatatg a 321

<210> 16942
<211> 351
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (289)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16942
atgcatcatt cgggtaggtg ctcgatcgtt tggaaaccag acaccacccc gactgacaat 60
aatagtaatg cggtcgaatt gatcgtcgcc attattgcct tggtcgataa ggaggtgctt 120
atagtccaaa cgtcacttat aggtagtatg ctgtcgaatc tgctgctggt catgggcatg 180
tgtttctttt tcggcggtgt caaccgtctt gagcaacact tcaacccagt tgtcgcgcag 240
acagcggcta gtcttttggc gctagcggtg gcgagtctga tcattccanc cgcgttccac 300
gcgtggtctg gtggtgcgtc aatccggccg cagattagga agtttgactg a 351

<210> 16943
<211> 447
<212> DNA
<213> A.fumigatus

<400> 16943
cttgtacagc cggaaccgtg ggaatcgctc ccttgtcgcg aggtaagatt gctggcaatg 60
cgccgaggac tgtcgctgac aaacgcaggc accagtatca ttctgctctt cgtctacgga 120
tgctacctct tcttccagct caagtcgcac accgagatct acaacagacc cagccccaag 180
gtcgagaagc ggcgccaaaa ggtgtcggag ggcgatgcca gtcgcggcct ggcccagatt 240
ggcaagatga cggccaccat gggcggccag aacgcgcagc agatgaaaat ccacgaggaa 300
gacgacgagg aggaacagcc tcagctcagc atctgggttg cggtcctgac gctggccatc 360
tccaccgctt ttgtcgcatt gtgcgctgaa tttatggtaa gtctgatgca tcattttgag 420
tgtccggtca ggtcagggct agactga 447

<210> 16944
<211> 840
<212> DNA
<213> A.fumigatus

<400> 16944
ggtgtaatac cgagggcatt caggatatcc tcaggacgac ggggaggacg acctggtttg 60
cgcttgatag gtgaaggaga cgcgccactg gtatggagtt tgataagctc cgctaacgga 120
tccttgctcg aattaatatc gataccgttc aactgcagaa tctccgcaat gggcgttgac 180
ggagccggac gatctacttc ctccgcgctg aaaactgcaa ttttggcatc gatatccaag 240
tccgggtgga actcctccca accgcgctcc tcgcgcggct tgtacccgtc tccctgctgt 300
agggccaaag cggcggctgt cgacgagcca taccgaccac gactctgcga cttctccctt 360
ctcagacgag cagacgggga agttgtcgga gcaggggcg gcggcggtgg gggggggagg 420
aggacttgtt gtgactcaag ttcaggtttg gctatgggtt caggttcagg ctcaggttca 480
ggctcaggct caggttcagg ctcaggctca ggctcggatt caggttcggg ttcgggctcg 540
ggcgcaggtt cgggtgcagg gcgacttcgt gaagatgagg ttcgtctgat gggggttcgt 600
ttgattttgg gaggttcgtc cacatcaatt tcgacatatc ttcccccacc tccaggtctt 660

ccgggaatgt atcttcgttt cttcagaggg gggccttcgc tagcttcaga gtttggcccc 720
ttgagggcaa ctttcgggcc ctttcgcgag gccctgccgg ccgacaagcg atattttgat 780
gaagaatatg gcgccatcct aaaggaagtc cgtgaaatag cagagactaa tcggaaatag 840

<210> 16945
<211> 294
<212> DNA
<213> A.fumigatus

<400> 16945
taccagcccg ttcagccgga acctacattt ccgccacaag cagaagagcc actgaccacc 60
ctgcaccaga gcctaagcct ttcttctacc gaccaaatgg aaaagatgca aacagcaacc 120
gtgccagtgg accctggggc gcaaagcgta cgtcacatta ccaccaatac atcggagttc 180
agtgctgcta acgcatatgc agccaacaca atggctaacg gaaaggactt ctttcttgag 240
ctccgcaagc aggtgaccgc gttgcggcag ggagctactg tccctggagg ttga 294

<210> 16946
<211> 1827
<212> DNA
<213> A.fumigatus

<400> 16946
tttggtttct ctgcaaaaca ccgcacggcc tggaaacttt acgcttggta tttgaggctc 60
agcggcgaac ccaacggaac gccattcagg gacgctttat taagctattt ccgattagtc 120
tctgctattt cacggacttc ctttaggatg gcgccatatt cttcatcaaa atatcgcttg 180
tcggccggca gggcctcgcg aaagggcccg aaagttgccc tcaaggggcc aaactctgaa 240
gctagcgaag gccccctct gaagaaacga agatacattc ccggaagacc tggaggtggg 300
ggaagatatg tcgaaattga tgtggacgaa cctcccaaaa tcaaacgaac ccccatcaga 360
cgaacctcat cttcacgaag tcgccctgca cccgaacctg cgcccgagcc cgaacccgaa 420
cctgaatccg agcctgagcc tgagcctgaa cctgagcctg agcctgaacc tgagcctgaa 480
cctgaaccca tagccaaacc tgaacttgag tcacaacaag tcctcctccc ccccccaccg 540
ccgccgcccc ctgctccgac aacttccccg tctgctcgtc tgagaaggga gaagtcgcag 600
agtcgtggtc ggtatggctc gtcgacagcc gccgctttgg ccctacagca gggagacggg 660
tacaagccgc gcgaggagcg cggttgggag gagttccacc cggacttgga tatcgatgcc 720
aaaattgcag ttttcagcgc ggaggaagta gatcgtccgg ctccgtcaac gcccattgcg 780
gagattctgc agttgaacgg tatcgatatt aattcgagca aggatccgtt agcggagctt 840
atcaaactcc ataccagtgg cgcgtctcct tcacctatca agcgcaaacc aggtcgtcct 900
ccccgtcgtc ctgaggatat cctgaatgcc ctcggtatta cacctcagcc gaaagctata 960
ccgccaccgg gtccaaaccc ccgcgagagg ctcactctcc caaaaccttc gttccggctg 1020
cgggatcctt ttgttttcta tgaccagcca ggggttggcc agcggaacta cgtggaccgg 1080
acgatggcga gtgtgggtta ccaagaaagc gatcttttcg tccgtcatga gcggcagatg 1140
attcggatga ctgagggagc gcaggaagac gacctggata ttatcaaccc gcccactagc 1200
gaggggggaag tcaatgcctc tgttggcaga gttgaatatg acatggacga gcaagacgaa 1260
aaatggctgg aagactacaa tgcgaagcga agggaagagc agttggagcc tatcaaaccg 1320
gccgtctttg agattaccat gacgaaaatc gagaaagagt ggcatacttt ggaaaagcgt 1380
ataccgaagc cgaacccgaa gcctccacag actcaacgcc cccggtcaag ctccgcagca 1440
gccgtgaatg gagaaacgac tgccccgggc gaggaacaag acagtaaatg cgctatctgt 1500
gacgatggcg actgcgaaaa ctccaacgct attgtcttct gcgatggctg tgatctcgca 1560
gtacatcaag agtgttacgg tgttcccttc atccctgagg ggcaatggtt gtgtcggaag 1620
tgccagctga ttggacgggg atccgtcaac tgtatcttct gtccgaacac agagggtgct 1680
ttcaagcaga ctacgagctc taagtggtct cacctactct gtgccatatg gatcccagag 1740
gtctcccttg gcaatccctc gctcatggag ccagtgactg atgttggtct tcaccacggg 1800
gctggaagga tccgcggtgg cgctatg 1827

<210> 16947
<211> 1344

<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (10)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16947
gggtggtttn tcaccccgtg gtcaagatct ccatatagtg acgacacgtc cgttgcgatc 60
gtcgagaaga atgatcgatg ccgtgatatc tctacgagaa ttcattttct cgagaatgtg 120
acggcagata ccagggaata tcgaggcatc cacccaattc tagcacttga atcgcatcaa 180
gagaatctgg ccaaactcgt cgataaggcg ctcaagcact taccaccagt atcggaagat 240
ggcgaggata cgtcgaaatt attgaaacta tcagatggct ctcaacggcg caagccggat 300
ttcgtctcgg tcacccgcgg gcctgggatg cgggcgaacc tcttcactgg actcgataca 360
gccaaaggcc tgtccgtcgc atggcagatt ccatttgtgg gcgtccatca tatgcaagcc 420
catctcctga ctcctcgact tgtttccgcc atggaccgag cgcaacaagg ccccgatgtc 480
acctctgcca acccacctct aacccccgaa tttcccttcc tctctatact agtctccggt 540
ggccattcaa tgcttgttga gtctacctct attacagacc ataccataat ggcatcgact 600
gcggatatcg cgatcggcga agctctcgat aaagctgcgc gagaaatcat cgcaccctct 660
gtcctcaacg aagccaaaac tacaatgtat ggcaaactgc tggaacaatt tgcctttccc 720
aacggcagcg cagattggag taactactgt gcccccaaga cccgaggcga ggagctgatc 780
aagcagccaa gcccgtgggg ctggaccctc acgtctccct tcgccaacac ccggcagctg 840
cagtacagct tctcatttct gccaagcatg atcaacaaat tgatgggagc gaagaagaca 900
gcaggcaagg aagtctcgga tgaggagcga gttgctctgg cccgtgaggc gatgcgcgtc 960
tgctttgagc atctgggttc gcggacgatc atcgctcttg aggagctgca gcagaaagcg 1020
cggaacaagg gtgtcccaga tgtcaacacg ctcgttatta gcggtggagt cgcagctaat 1080
aggtttctga tggctgtgct acgatcgttc cttgatgtcc gcgggttcgg acatgttgaa 1140
attgttgcgc cgccgccgta tttatgcacg gacaatgcgg ccatgatcgg gtgggctggg 1200
attgagatgt tcgaggcagg cttcagcacg gacctcggtg gtagggctct caggaagtgg 1260
gctcttgatc cgcgtgctga ggatggtgga cttttgggcg ctgacgggtg gatgataaag 1320
aaaggcaagg acactgtata ctag 1344

<210> 16948
<211> 1494
<212> DNA
<213> A.fumigatus

<400> 16948
atcatggctc gggagcaaga tttattacag tggtcatctc agttcttcgt tgctgcacca 60
cagcgcacac cgaagttacc tggagacaag attactctgc cacaatcggc cctcgagcag 120
cttctggctg ctgctccgtt gagcgatgta tcacctcagg gttctttgcg ccaatacaca 180
agtacctttg acccgttcaa tcctcacaca ttcgccgccg aatcgcgagc tcgagcacag 240
cagctagacc gccaaaagca gttacctcat ccactcactt tccgactggt gaaccccaac 300
aatgagcgtg caatatatgc agggatacga gagttttcag ctgcggaggg agaagtgggt 360
ctcagcggtt ttctacgaca ggctcttgac atcgaggatg agccattcca attacaaacc 420
ggtgaacatg ggacagagac ggcgcactct ccggatttga acaaccgaga aggatcaggg 480
tctgttcgct cgacccgcca ttcaaccccc acaattacag tccatgccaa gcagttgcca 540
aaaggcacat atgtgcgcct acgccctctc gaagctggat acgacccaga ggactggaaa 600
gcattgctgg agcgctattt acgtgacaat ttcaccactt tgactatcgg ggaacttctt 660
tcggtgtccg ggaatcggaa tgaacggttt agatttctcg tcgacaaggt ggaacccgaa 720
ggcgacggca tttgcgttgt ggatacagat ttggaggttg atattgtggc tttgactgaa 780
gaccaggcaa gagagacatt gcaaagacgg ttagagaaag cttctcgtgc tcccggcacc 840
aaaggggca gctccattgg cggagttctc gccctgggag aaacagtcac tggacaggtg 900
attccaggcg aatacgtaga ctacgaactc agcagatggg atggcgagga gacgatcgaa 960
gttgaggttg aaggaataga tgacgcagtt gtctatttgt tcgcgagtcc attctcctcg 1020

catcagcgca atcgacccag gttggacgag catgttttcg ccgacttctc aagccaacca 1080
tcgaaaaagc ttcgtatccg gccaaccaat attgaactag acggggctga ggcattgtat 1140
ctttcggtgc atgcatattc tcagaccgag gctggtgccg ggatggcatc aagccagacc 1200
ttaccacttc gttacagcat gcgggtcgtg caaagctctt cagctattca aagggaacag 1260
acggcagccc agttagatac tcatgaacct ggcgatgtgc agtgtaagaa ctgtcatcag 1320
tgggtgcctc agaggacgct tgttctgcat gagaactttt gtttgcgcaa taatgtgctt 1380
tgccctcagt gcggtaatgt cttccagaag cgctctccag agtgggataa tcattggcac 1440
tgccctcacg attcgtccca cggtaatgat attcctaacc aaagatgggc atga 1494

<210> 16949
<211> 1230
<212> DNA
<213> A.fumigatus

<400> 16949
agacatgtgc tgtccaatag cttgatcctc gatcacatgg ctccttattt gtcgatttcg 60
ggcttgctct cgttggcatc aacatgccgt gcccttcgat ccgtggttat ggagacacca 120
tacgtctttc ggcatcttga cctaagtcga tgtcgtgggg cgcagctgca gagaagttcg 180
gcagataacg gtagggctca agccttgggt aatgaaccca tggacgagtc tcttaccgag 240
gacgagttct actcagcccc cttaaagaag attttcgcaa aactcgagca caagtcgctt 300
ttacaggacg tacgcacctt gattttggac gggttacctg ttccggcgga cctaattgca 360
gacattttgc tgaatgaccg cttcaatgtg aacatcctgt ctatcagagg gtgccagcat 420
ctgaatgaac gtaaacttat gcaagtcctt caatatgccg tgcgtccgac tcgccctgcc 480
ggcactcccc gggtgaaagg catctatttt ttcacgccac tgaacctggc acaagctgca 540
gcacgaagca ggtaccgcaa gtggtggagt tcaaggtgtg ccggtcaaac gccggtggaa 600
gcgaggccgt catcacgtca acatgaccag ggccgtgaga ctgaccggca gaccgtctgg 660
tactcaccgt ccggcaagtt gctgaccgct agcatcgagg aaggctgggc acagacaatt 720
cagaaatgcc acgggatcat tgccttcgac gccgtgctgt gccgtgggcc aagacacgac 780
cccaatgcaa tgttggttgg ccaggatggg tctcagcgtg aaggccgctt gctcggtcca 840
gcgattgcta ctattgccct tgggtctcgc ggatgtgacg gttgtcatag ctcccccgag 900
ggtccagcga tctggggaca gtccccagag gagaccttcc ctctgctcac tccgcccccc 960
ttccactcat cctccgttgt ggcggcaaag cgcccttcgc tttttccagg ggcggaccac 1020
cctgccctga ttgcccgctg cgcagattgc cttaccgatc gctggtgcca ccgttgcaac 1080
aaatggtttt gcgccgattg cctgcccaat ccacaacgtg tgagctcgaa tctgtcgccg 1140
catcagactg cattgagagc ttctctcggc accaatgact cgtctcaggt atgtaagctt 1200
gaatgctcat attcagagcc gaggcgatag 1230

<210> 16950
<211> 186
<212> DNA
<213> A.fumigatus

<400> 16950
aataaagcaa gcgggtacgc caccaagcct ctcataccac gcatccgggc cacagcacag 60
aacatccccg aggaactata cgtgcaccag ccgaccgcgg ccgtcgttaa caagtacccg 120
aacagagtat ccatcgggat cagaatcccc acaagactgg tcaaaaccaa gggcaggaaa 180
caataa 186

<210> 16951
<211> 294
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (112),(216),(246),(294)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16951
ggatcccgga tttccgcctt cgaacttggt tggtattgcg aggtccaacg caaaagtcct 60
tgggcgaatc atgaagaagt gttgaaggtt ggttggagta agctccgctg gnttagccaa 120
tccggtcatc gccatgagat cggatacaat ggcttctgga gacaggttac tggactggct 180
gagaacgcgt cgcccacgtt ccgggctgat gcaggngaca gtgtgaagag cagtattttc 240
cacagntggt tcgcagatcg aagagataac cttctccttc catcccgtgg ttan 294

<210> 16952
<211> 648
<212> DNA
<213> A.fumigatus

<400> 16952
tacgccaaag ccttcaacga attggccgga tggggtcccc tgaagggaga tgtctcgttt 60
tggaagtcgg aggtcgaagc ccagggagca attcccattc caattcccgg aattgaaggt 120
gacagtggta tcagcttcac aatcggtttc cgtgcaggtc ttctgtatcc tttggggctg 180
gactctgatt cccgacctca gctatctcgc atcaatgacc gcttcgtact tggaggcccg 240
acagacgtcc gcggcttccg cctctgtgga ctcggtcctc acgatggagc cgatgctgta 300
ggaggtgatg tgtatgctgc gggtagtgca aatcttttcc tgcctcttcc ccgagtcggt 360
gcggacaagc cgctgcggct gcaggcgttc gtgaacggtg gccgcctgct acccctgcgc 420
actttgcaga aggaggctcc aacaaacagc acagaggtga aggacgccat gactgctacg 480
atttcagagc tagggaatgg actgcctagt gttgcagcag gcattgggct cgtgtacgcc 540
caccctgttg cgcgatttga gctgaacttc tcgctcccac tggtgttgcg gaagggtgag 600
gagggcagaa agggactgca gctcggaatt ggtatcaact tcctgtag 648

<210> 16953
<211> 438
<212> DNA
<213> A.fumigatus

<400> 16953
tcgtcttcac tactctacat attggccgca atggcccaat actatcccca gcaacagccc 60
tacgggtcgc aagcctctcc gcagaatctc caattttatc cgtcatcata cacgtcggtc 120
tcaggtcata caacgccatc gcaagctacc tatggtggat ttggcggacc ttcgggctcc 180
actgctcagg catatcccgt tggaggggtc gggagcggat atggtggctt tgggtcccct 240
gccgctggag tgagtgggag gatgggtgaa cagggcggat taaggacagg atggctggct 300
gcttttggca cggagggcta tgaaggggag ccgccgctgc tggaggagct gggtgtgaat 360
tttgagcata tcaggaccaa ggttggtaat ggactgtcaa gtggcttgat aaccggaaaa 420
cgttgtgttt gtgtttaa 438

<210> 16954
<211> 666
<212> DNA
<213> A.fumigatus

<400> 16954
ccggaaaacg ttgtgtttgt gtttaaacgg aaaaaggctg atcatttttt gcattcctta 60
cagactttga cagtgctcaa ccctttgct cggatcgatc agcatctgat ggacgacagc 120
gatctgtacg gggccctcct ttacatcgtg ctctacggga cattcctcct tctctcgggc 180
aaggtcttct atggctacat ctatggtgtc gcgtttttg gtaccgtcgt cctgcacctg 240
attctcagtc taatgtcgcc tgctctcgat acggcgtcgg cgcccaatgc cgcagacccg 300
tccaactacg acccccatca caaacctacc atgtccgacg cctcctccgt gggtcatttc 360
tctgccaccc tgacgtttcc ccggtcggcc agtgttcttg gttattgttt cctgcccttg 420
gttttgacca gtcttgtggg gattctgatc ccgatggata ctctgttcgg gtacttgtta 480

acgacggccg cggtcggctg gtgcacgtat agttcctcgg ggatgttctg tgctgtggcc 540
cggatgcgtg gtatgagagg cttggtggcg tacccgcttg ctttattcta tgttgtcttt 600
ggcatcatgg ggatcttctc gtcccgcggc agtggtaccc tggccgctaa aacgggcgcc 660
gcttga 666

<210> 16955
<211> 258
<212> DNA
<213> A.fumigatus

<400> 16955
gaagtcggcg aaaacatgct cgtccaacct gggtcgattg cgctgatgcg aggagaatgg 60
actcgcgaac aaatagacaa ctgcgtcatc tattccttca acctcaactt cgatcgtctc 120
ctcgccatcc catctgctga gttcgtagtc tacgtattcg cctggaatca cctgtccagt 180
gactgtttct cccagggcga gaactccgcc aatggagctg ccccctttgg tgccgggagc 240
acgagaagct ttctctaa 258

<210> 16956
<211> 282
<212> DNA
<213> A.fumigatus

<400> 16956
tcggaagaga gaaaacggcc aagtaatgca ctccctaatg cgggccatat tcagggtctc 60
tttacccctg acggctgcct cggcgtctcg gaatgtcact taccccagac cggcgatgtc 120
gcctattttt ccaccactcg atttaccgtg agcggtttcg gcaatttcag ttgcagaatg 180
gaggtctacc tgagtctagc aatattaggc atggctgcag aggctcactg tgccttcgaa 240
gcacggtttg catcagccaa atatcccgca tcgaattggt ag 282

<210> 16957
<211> 351
<212> DNA
<213> A.fumigatus

<400> 16957
acggccgagg gagcagtgac tctctccaag gcatcaacaa cacacttctt ttgggacgtc 60
accgcagtca taatgctgaa actgatgggt tctcttgttc tcctcgcgtc tgcggccgag 120
gtgattgcct ctcccgcggc tgagccagtt gcgccgtcca caactctgga gaagcgcgca 180
tcttgcacgt tttccgggtc caacggcgcc gctgctgcga tggcttctca gaaggcttgc 240
tccactattg tcctgtcaaa cgtggctgtt ccggctggca cgacgctgga ccttagcgat 300
ctggcggatg gcaccacagt acgaacccca tctccgacac caacccccta a 351

<210> 16958
<211> 684
<212> DNA
<213> A.fumigatus

<400> 16958
gtcaccttcg agggcgagac aacctggggt taccaggagt ggtccggtcc actgctgaag 60
atttccggca agaacatcaa ggtgaagggc gcgtcggggg cgacgctgaa ccccgacggc 120
gcccgctggt gggacggcca gggcggcaac ggcggcaaga cgaagcccaa gttcttcgcc 180
gcgcacgatc tcacctcgtc atcatccatc accgatctgc acatcttgaa caccccgtc 240
caggcggtca gcatcaacgg atgcgatggc ctgaccatca ccgacatgac gatcgacaat 300
tccgccggag acacccaagg cggccacaac actgacgcct tcgatattgg atccagctcc 360
aacattatca tttcaggcgc caaggtctac aaccaggacg actgtgtcgc ggtcaactcc 420
ggcacggata tcacctttac cgggggggctc tgctccggtg gccatggcct gtcgattggt 480

agcgttggtg gccggtctga taatactgtc gagaatgtgt cctttaccaa ctcccaggtg 540
accaactccg acaatggtac catcacctcc ccccgttgtc ttgtcgaggg taaacttcta 600
accatgaagc aggtctccgc atcaaggcca ccaaagggaa gactggcaca atcaagggag 660
tcacctactc aggcatcacc gtga 684

<210> 16959
<211> 711
<212> DNA
<213> A.fumigatus

<400> 16959
gcctcgacaa tgcgtttcgc tattccttta ggtgcggcgt gcgcctgggc tggcgttgcg 60
ctggcagcgt tgcagatcgc cgaggatttc agcagcatca ctctcaacaa tgaccgtttc 120
aaagctgttt ggagcaagag caaggggtca gttgtcgata tgttcctcga tggtcaggat 180
cttctcggac ctcaatccgg ctctacgggt attggaccct acctcgactg ctactgcgtc 240
ccctcgggtt tctacacagc aggcgccacg aacccgagaa tgcagtatgt cgaaggaacc 300
gactcgaccg gaacgaaata cgccggagtc attctgaatg atacctatac ccctactgga 360
caacagttcc aacaatactg gtttctgcgt gatggagaga cagggctgca catgttcagt 420
cgtctggctt attacaacga gaccaccccc ttccttcgca acctccaaga gttccgcacg 480
ctcttccggc caaacacgca gttgtggaca catcttacgt ccagtgagct ccagacggct 540
cctttgccaa gcaagaacgc cgtgagcaaa caggtggtcg ttcaggatgc cacttggcga 600
ttcaacaaca ccccagacga tgcgtactac acgcagttct cagaatattt caccaagtac 660
acgttttcga accgtaagtc gcattcgctc atgtggtgtg atttggctta a 711

<210> 16960
<211> 198
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (37)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16960
caaccactcg gtttggtttt cgctccgtcg ggacaanact ccttgggcca agtgtcggaa 60
ttggcttatt ggatgcaaga atcatatctt aaggaatcga gtcccggtct ttttttgcag 120
cagtggacgc cggaatatga cttcctgact cgcgggctaa ctggcgcaac cttcgataat 180
ccttttggga ccgcgtga 198

<210> 16961
<211> 1221
<212> DNA
<213> A.fumigatus

<400> 16961
ggtccgctgc actccgatct aaccgtcgat ggtatcgtct acaactatat tgtctccaac 60
caccacggtg aatgtacacc caatatcacc aatggctttg accggacctt tggccctcaa 120
ttttacctct tcaacggtgg caaaggttcc acctcttcac tccatgattt gcggtcagaa 180
gctgcaaagc tggctgatcc cagttggaac gccgagtttt acgactcaat cgccaagcac 240
gtcgttggct acgtgccttc ctcgaagcgt ggcagcgtcg acggtcggat taaacttcct 300
aagggcgctt ccaatcctat tgccatcctc actgtggacg gccagtattt ccaggataac 360
agcgttgttc catcctcgta ccaatactgg acggacatcg acacgagcgg cagattccgt 420
atcgatcgcg ttgtcgaagg caagtaccga ctgaccgtct acgctgacgg catcttcggc 480
gactttgtgc gcgatggtgt gaccgtcaga gccggcaaga ctaccactgt gaaagagaaa 540
tgggacgccg agtccgccgg caaagagatc tggcgccttg gtacccccga caagtcctct 600

ggcgagttcc gccacggtgt cgcacgcgac cccacacacc cactgcaccc gccggagtat 660
ctgatctact ggggcgcata cgactggcaa tccgatttcc ccaagggcat cgactacaca 720
atcggcagca gcgacccggc gacggacttc aacacagtgc actggtctgt ctttggcccc 780
acgcctgaca acccgaatgt cgagtacaac acgacccacg actggaagat caacttctcc 840
ctgacaaaga agcagctccg caactccaag aaggctaccc tgaccatcca gctggctggc 900
gccaagacgg cctcgggcaa caccgacgag tacaaggcct cagagccgta catcaacctc 960
atccatgaga gctacatcaa tgaccagaag gagcccctct cctttgtgat tggcttcaac 1020
cagtcaagca gctgtattgt gcgttctgcg gtgagctgct accaggtccg ctcacgaatg 1080
gagttccctg cggattggct caaggtcggc gagaataccc tgacactgca tctgccgtac 1140
aatgcgacgg acacggagac tgccattcta ccggcgaccg tgtatgtgca atacgacgct 1200
ttgagattgg agctggatta g 1221

<210> 16962
<211> 282
<212> DNA
<213> A.fumigatus

<400> 16962
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gacggcggcg atctcaaggg cgacccgacg tccggcatcc ccatcaccga cctcaccatg 120
cagaacatca gtggtaaagg cgccgtggcg tcaagcgggt acaatattgc tattgtctgc 180
ggcagtgggg cttgctcgaa ctggacctgg aagagcgtcg aggttaccgg cgggaagacc 240
tatggtagct gcaagaacgt tcctagcgtt gcccaatgct ag 282

<210> 16963
<211> 774
<212> DNA
<213> A.fumigatus

<400> 16963
aatgtatgcc agggccaccg cggtcacgga cttgatcccg tgctctgctg caacattggc 60
aagcgcttca ctcattctga tctcagcctc ggtctggttc tccgtagtat ctccactgaa 120
cacgctgcgg aggctttcac ctttcttctt tcgctcctcc acttgctccc tggtctggaa 180
ttttccactg ccgaggatat tccatggcgc cagagccatg ccgaaatggc gagccatggg 240
cagaatctct ctctcaaagt cacgcagcat gacattccag cggccttgat agatgcaaaa 300
gggtgtcttg ccaacagcgg ccgcgtatgc attggctgcg gcaacaatcc acgcaggcgt 360
gtccgagatt cccaggtaca ggactttccc ctgctcgacg aggatatgca agctgttcat 420
aatctcctca atggatgtgg tgtgatccca ccagtgcaga tagaggatat caatccagtc 480
tgtttgcaac tttttgagag aatcgcgaac actcatatgc aggctccgcc ggtgatttcc 540
acagtggtta ggcgaaagac ccttttttctc gaaggaatgt gccttgtaat cagaagtgta 600
cttggttgca aggacaatct agtcacagtt tttccgagca gacatccatt ctccaatcca 660
tgcttccgat tgctcgttct ggtatgcgtt tgcggtgtcg ataaagttgc ctccggctgc 720
aacgtaggcg tcaaggagtg cgaatacctg ctccttgttc atgcgtcccc atga 774

<210> 16964
<211> 1257
<212> DNA
<213> A.fumigatus

<400> 16964
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agattccgtc tggactcagc tcggggaaaa ccacgcaaga cggtccagac cggacgaaga 120
tcccaccaga aatctcgcac cggctgccgg acctgcaaga aggaccgatt gaaatgtgac 180
gagacccatc ctacctgtcc gaggtgttct caacggaaac ggatgtgtga atacgatgga 240
atacaccggt attattcgga atcctcgact gcatgcagcc cagtggtcgc atcgcaggga 300
ggtttatcgt tggagcactc gttgatggac ggcctcatca accaaagctt tacccacagt 360

ctgtcgataa caaacaccac gcatctgatg cacaatcttg ttggctctgt gcacacgtca 420
ctggcaacac caattgggaa gttcttgttt gaccactaca ttctccctca ctgcgcggca 480
accccaaggc tcttgcatag tctcctcgcg ctctccgctc gacatctgca gcatctgcaa 540
cctcgctgcc tttctcatac gacggcacac tactttcacg caagccacgc tgcggagcta 600
ctaaatgatg aactggggag ggtcgcttca agccctcaga atctaggcat gatctatgca 660
acttgtatag tccttaacat ggggtgtttt gcctcggatg actatcatcc atctagctcg 720
tgggtgtttc aagatacagc ggagattgac cagtcgttca cctggttcac gcttcagagt 780
gggctgggtt atgtctcgtc catgttgaaa aaccaagtcc atcaaacatt ctggcgcctc 840
aaagcaggct ccagaggatc ctctatcggc aacctcctta cctgggccac gaaagatcca 900
tctcataccg ggagcctaga aaagattcct gactttctcc ttgacctgtg cgagatcaca 960
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attccacatt ccttccgaat cctcctccgc gaccgggacg aaagagccct tgtgctcttc 1140
ctgatctggc tgagattact tggtcgcggt gacttttggt gggtcaatac tcgagtggag 1200
gcggaatcaa gagctctctc atggcatttc ttcgtcacag cgaagatgga gagataa 1257

<210> 16965
<211> 294
<212> DNA
<213> A.fumigatus

<400> 16965
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ccgtttcgcc acacagttca acttccaaag gctctcaatc aatctctata ctttctttgc 120
aatatggact ttcagactcc tgaacctccc accgaattgg gccggtaccg catcctctcc 180
tcaaactgcg gtctccgtgt ctcaccgctc cagctgggcg ccatgtcgat tggagaggcc 240
tggtcctcct tcatggggac gcatgaacaa ggagcaggta ttcgcactcc ttga 294

<210> 16966
<211> 246
<212> DNA
<213> A.fumigatus

<400> 16966
gtcaatgaca ttaggctata ttcatgcgct ctctatcaga ccacagtaga gctggatatg 60
attccgtaca aaacccacag cccctcactg tgggatattg tcaaggtaca tatcgcttac 120
gccttgcatt tcacaagctg tacaatcaat caagctactg agaggcgtga gtctggacat 180
gttatccgaa caagccaaat acaatcacaa aacatagtgg caggattagc actgatacct 240
ggataa 246

<210> 16967
<211> 345
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (116),(187),(273)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16967
cgggggggggg ctagtccccg gggaacagga tttggttgtt ccaagcccgc atggcccaaa 60
aaagtccacc ggaaaactgt cccacggcct ggttgcgaag ccggacggat gtgtcnaggc 120
cagttcagct cccccatttc gcacattcgc gtggatcggt tgacttctcg atcgactctc 180
ggcgatntcg cccgcggcag tatttcgaac agcgaggatt acctttgcag ctccgagacg 240
acagaagtgt cgtgcggctt cgagcccgag gcngacattg gctcccgtca caatcacagt 300

gcggccgggg aactcttggg ttgggtactt aggggtgacg aataa 345

<210> 16968
<211> 456
<212> DNA
<213> A.fumigatus

<400> 16968
tatagtataa cccaagtgtt tgtttcctgt agttctgtaa ctccgtttaa atccggttct 60
catactgtcc tgcctcccat aagtacaatc atagattccg ctcttgtcca ccgtttcgcc 120
acacagttca acttccaaag gctctcaatc aatctctata ctttctttgc aatatggact 180
ttcagactcc tgaacctccc accgaattgg gccggtaccg catcctctcc tcaaactgcg 240
gtctccgtgt ctcaccgctc cagctgggcg ccatgtcgat tggagaggcc tggtcctcct 300
tcatggggac gcatgaacaa ggagcaggta ttcgcactcc ttgacgccta cgttgcagcc 360
ggaggcaact ttatcgacac cgcaaacgca taccagaacg agcaatcgga agcatggatt 420
ggagaatgga tgtctgctcg gaaaaactgt gactag 456

<210> 16969
<211> 897
<212> DNA
<213> A.fumigatus

<400> 16969
attgtccttg caaccaagta cacttctgat tacaaggcac attccttcga gaaaaagggt 60
ctttcgccta accactgtgg aaatcaccgg cggagcctgc atatgagtgt tcgcgattct 120
ctcaaaaagt tgcaaacaga ctggattgat atcctctatc tgcactggtg ggatcacacc 180
acatccattg aggagattat gaacagcttg catatcctcg tcgagcaggg gaaagtcctg 240
tacctgggaa tctcggacac gcctgcgtgg attgttgccg cagccaatgc atacgcggcc 300
gctgttggca agacaccctt ttgcatctat caaggccgct ggaatgtcat gctgcgtgac 360
tttgagagag agattctgcc catggctcgc catttcggca tggctctggc gccatggaat 420
atcctcggca gtggaaaatt ccagaccagg gagcaagtgg aggagcgaaa gaagaaaggt 480
gaaagcctcc gcagcgtgtt cagtggagat actacggaga accagaccga ggctgagatc 540
agaatgagtg aagcgcttgc caatgttgca gcagagcacg ggatcaagtc cgtgaccgcg 600
gtggccctgg catacattct atgcaaggca cccaacgtct ttccgattgt cggtggaagg 660
aaagtcgagc atcttcacga taacatccag gctctcaaga tcaaattgac tgaagaacag 720
atcaagtatc tggaaagcgt caaccatttt gatcctggct ttcctagtaa ttttctcggg 780
gaggatccca gagtgtctgg aaaggccggc agacttttgg ccacttcagc ccctctagca 840
tgtgtgcggg ctccaacggc gatcggatat gaggtattag ctgaaatacc aagttga 897

<210> 16970
<211> 270
<212> DNA
<213> A.fumigatus

<400> 16970
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gcgctctccg gttctcccag ccgctttcgc tcaggatatt tcacgagcat tattctagct 120
tggtcctaca tcgtcttctg ccgctgggta gagatcttgc aacgggcggg ggaggaagtg 180
cgctcctaca cgaaaagaat ggaagtattc gagaactcgt tctgggatat cgtcacgcac 240
ggtggctggg aagccctcgg aaaaggatga 270

<210> 16971
<211> 1110
<212> DNA
<213> A.fumigatus

<400> 16971
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cggggcggcc ggttcgcgta tatgcagatg gggttttcga tttgtttcac gtggggtatg 120
tctacaatac ttttttttt tattcttttt ttttctctc agattacagc tattttctac 180
agtcatggac ttgatgctca ttgctggtgg ttttttggca gacacatgcg acagctggaa 240
caagcaaaaa aagctttccc cgacgtgtat ctcattgtcg gcgtgaccgg agacgaagag 300
actcacaagc gcaagggtct tactgtactc agcggtcgcg agcgtgcaga gagcgtccgc 360
cattgcaaat gggtggacga ggtgatcccg gactgtccct ggatcgtgac tccggagttc 420
attgagaagc atcagatcga ttatgttgct catgatgacc taccttatgg ggctgcggaa 480
ggagacgaca tttatgcacc gatcaaggct cagggcaagt tcctggttac gcagaggact 540
gagggtgtca gcacaacggg cattatcact aggtttgggt ttcctcctcg tttggcggac 600
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cgtcagttca agcgaggtgc ctcgagacag gagttgaacg tgtcatggat taagaagaat 720
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gccactggcc aggaactggg ccgagaattg cgacagttat ggcagaacag ccggcctggc 840
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cgtcctgaca gtccagtcgg aacaaatggg agaaacgaag attttgcgac gggctacagt 1020
ttgggcttga tcggcggtgt gcgagcatgg gtttgtatta cctttcctgc cacgatgata 1080
gaatcgagcg ttgaccatat ttgcagatga 1110

<210> 16972
<211> 654
<212> DNA
<213> A.fumigatus

<400> 16972
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ccatcgtctc gcgatgcgtc cggtgaggaa ggagacgact ccaccgatcc aatcaccccc 180
acagcaagca agaacaggaa acatacttca attgaagtga cctcgaccgg agcccccaat 240
ccgccttcga aacgggctcg gaaatcgtcc tctggcgagg ctccagccgc cgcgcccaac 300
ggaaccacag aacactcctc agccatccat caggaagatc ccggcgagcc atctgagacc 360
accgtagcta gtagtgacat tgagcatggg gcgacgggtc gaccggggtt gcacataaag 420
accgccggcg ccgatgcaga aacgaaagag cgtctgatga aaccgcctga gagagctggg 480
ctacagcatc ccgttgggta ccacaccaat ccacctccga cggggcggcc ggttcgcgta 540
tatgcagatg gggttttcga tttgtttcac gtggggtatg tctacaatac ttttttttt 600
tattcttttt tttttctctc agattacagc tattttctac agtcatggac ttga 654

<210> 16973
<211> 1209
<212> DNA
<213> A.fumigatus

<400> 16973
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gacatgcgac acttcgatgc ctggctgctt cgtgatccct actccatctg gcactactat 120
tcgaccggac gacgatggca ggagatagtc cgtgatctca tccaggaacg caagatctgc 180
gctcctcctg tcaacttacc atcttcaacc tcatttagac cagtggaccc ttacgatcgt 240
cccatcaacc cgcagtctgc ctcgccgctc ttcggcaaac tgcccgcaga gatccgcttg 300
atcatctacc actacgtctt tggcgacgag gcagttcatc tggttcagct caagggcaag 360
atccgccatg tgcgctgcaa gcatacctcc tcctccctcg atagtcaccg actctgttgc 420
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cgcctgtgcg ccatccgtcg cctcaccgtc cagtggacac ccgtctggca acccatggcc 720
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cctggcaaag ctgtcttggt ttcgggagtg gagctctgga agccttgtcc cgtggaggac 1140
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gctaagtga 1209

<210> 16974
<211> 1074
<212> DNA
<213> A.fumigatus

<400> 16974
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cctcccggcc aattcattaa acttcaagcc cagtcaacct ctttccttga catcagcgat 120
ccaaaagcag tgttagaaaa cgcttttcgg aatttctcct gtctcacgaa gggcgatgtc 180
ttcacttttg cttataacga ccaggtctac gaaatggcgg ttcttgagac caagccatcg 240
aacaatacca acgccgtctc tgtcctggag actgatctgg aggttgattt tgcaccgccg 300
gtggggtatg aagaaatcca acgcccaagt ggcaccagta cacccctcag cggggtaagc 360
ggtaagctcc cctctggggg tttacttcat ccgcacggga caatggctca agcgatcaac 420
tatgcggcca ttgctccaga gtccaccgac gccgctacag gtgcaaaagc agtatcatca 480
aatttttcttc ttggagggca gcgcttgaat gcgaagaagg gtagtaaagc cccgactccg 540
aagccttcaa ccccggtgcc aggagctact aatcctcagc atccgccgcc agctagacgc 600
accaatggac cgcagccact caggcttcca cccaaccagc tatttttttgg atatgcaatc 660
aagcctgtga agaagcgtgg ggaggacgga caggccatcg aaaagccgcg cttccaggga 720
accggacaga cattacgagg aaagaagaga gagccaggaa actccgctac accgacatcg 780
ggaagtgatg cggaaaatca caagggcaaa gaacgcaacc agaagtctca cgggagtggg 840
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cttcacatca agcataccaa gggtggccgg cgtttaatag ggatcgtttt ctttcttcag 1020
ctctgttcca ttgtagacta tggacagcca tcattactcg attttccctc gtaa 1074

<210> 16975
<211> 330
<212> DNA
<213> A.fumigatus

<400> 16975
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acaaccgtaa gagattccca agattaccga gcgtctgcgg ttagtttgaa gtcgccttcg 120
tctaatctgg cacaatcggc tctagttcta atgtataata actacaccac ttcgctccga 180
ggtgacagcc cattcccagt ccagaaagcc gatcgaacca tggcttccag caagaaccac 240
ggatcaaaag tcgatatcaa ccttcgtgtc tctgcctcgc tcacttttct tcacattctg 300
gtaaaacttc ctattggtca ccctttatga 330

<210> 16976
<211> 534
<212> DNA
<213> A.fumigatus

<400> 16976
caacctcagt ttcgccctgg ctactgggac gacgacccga tggacggagt cctagggtcc 60

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gtcgcaatgt tgcctggtcc agagcgagaa aacgtcaacc atggcggcaa ggtgatcatg 180
cctcccagtg ctctagacaa attaactagg ttacatatca catatcccat gctattcgag 240
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gaggggaaaa tttatctgcc attctgggtt agacagtcca tgtcctcttt tgattatatc 360
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<210> 16977
<211> 888
<212> DNA
<213> A.fumigatus

<400> 16977
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gaacacaaga agccacgctt cgatttgcgg aatccctcca atcttgcacc ggacgcgctc 180
gacgaggacc cggtattaga cgcagacgag atcggtcgtc gcggacaaca agtgcgccgc 240
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gcagagctcc aggaagattt cggcgccgaa gaaatagatg ctgatgaggc actgaggaag 420
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gaggtggaaa gcgagagcga tgttgcagac gaagatcgtg cgaggctcga tgagggcatg 600
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gcagatcccg acgagattta cgattcttgg cttgagggag tatcgaaaaa ggatatacgg 780
cgcgccaaag aggcagcaga gaaaagagag gctgagagaa aggagagaga tcgattgaat 840
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<210> 16978
<211> 735
<212> DNA
<213> A.fumigatus

<400> 16978
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acgcccaagg aggaagaaat ggagcaggat gaaccgccat catccccttc gtcgattggt 120
tcgctagatg ccattgatag ggtggaagaa gatttgaatc ggagtgagag ctcgagggct 180
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cagatcaacc ggtga 735

<210> 16979
<211> 1437
<212> DNA
<213> A.fumigatus

<400> 16979
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ctacgagagc cgttcgcggc caagcttttg gcggaccaag atatgcggca agcgtatatc 300
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gatgctcaac tcgcggacaa gccacgggac gcccaatggt taaagagtca gcccgcgagc 420
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gagcttcgag cgagaatcga ccgctggtat cacaatcttc ccgaggtgtt tgactttgcc 600
cacaagatga ccgaggagga ccaagaactg ctccgtttga aacttttcct cgcgttccac 660
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atgcccgagt ctgcctacga gacaagacca gcccaccccc tgagcatgca accacagcgc 1140
tataatccac aaaacaccaa tttgacatct acaaccatgt gttatgatgc cacagacgat 1200
ctcagtcttc taaatcccac tgccgccggc gggtcccagg aaacctacca atacttccaa 1260
aattcccatc cgtctacggt ttcgcattct gaaaagatcc ccagccttga tctgctgtcc 1320
tcggccagca gcaatcctcc caggggcgat gccttttttcc cctatgatcc gatcagcagg 1380
gaattcatcc agtcgttctt ccccgtggcc gccgacgagg aaccatggac gcattga 1437

<210> 16980
<211> 708
<212> DNA
<213> A.fumigatus

<400> 16980
accaacttac ccggttacac tcctccggat ctacatcatc ctccttctgc acacgagttc 60
aatcgtcgcc tccggagagg ggagtccagc atggaaaatg ctccctccag tatccccgag 120
tcgggaagtg ccgcgatgcg gggccagatg ccttcgcatc cgccaccaca acaagtcgat 180
cgcaatgaaa aagctgcgat caactcaatg ccggccgtcg agctcaaaga ttcatcatac 240
atgcagcaga tctcaaaacc ctcgccgcta ggtcccaatc gatctggagc gaatgaaagt 300
gcaaatgcga aagttgcgat ccccagacag cgctcgactg tcgccccgcg ctacagtcgc 360
cgtgtgccgc gagcgtgtga aagctgccga gcacgaaaga cgaaatgcag cggtgatact 420
cctatatgca ggcagtgtaa agagttgagg gtcacgtgtc gatatccggt gtcatggagg 480
gagaagacaa aagggtacgt cgtgggtctg tcgtgttgtg tgggcttaca actgattcgt 540
atggtttttt ttttttgcca cggacacagg cagttggata tattgtcagt caaaacccaa 600
gactatgaga atcttctgcg agagatcggg agcatggtgg atagtcgaac ttcggaacgt 660
atcaagagca tgctggacaa agtaagagcc tccggcgata ttccttga 708

<210> 16981
<211> 1800
<212> DNA
<213> A.fumigatus

<400> 16981
ttattaaggg atacacgccg gtgcactggg cccgtggctt acggtcacta caatgtggtg 60
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ctagattatg ccattataac aggacatgat cgcgttgtgg aggttctttt gaagcatgga 180
gctaccatta cggatgtgac aattggccca tctcagagaa cgactctgca tgcagctgct 240
atcaagggat atagcaagat tgcaaagatg ttactgagcc acggtgctcc tactgatgtc 300

aaggatgccc atggtcatac gcctctccat ctggctgttt cgaaagggca tcttgagatc 360
gttcaggcgc tgctttgtgc tggggccacc gtcgacattc aagacaaagt aggcgactca 420
ccgctgcacc ttgctgccgg caacggttat tttgctatcg tacaggagct tctgaataag 480
ggagcagacc cttctctgca aggtcgcaaa actgctacgc cattgcacca ggcatcttta 540
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cggtcagatg gacaaacccc tcttctccaa gccagcggcg ccggccaggt tgccaccgtg 660
cggctgcttt taggtgcggg gagtagtcct tcaattccgg atgaagatgg gaacacacca 720
ctccactttg ctgtcctctc agagaaagct acaatcgctg aaatgctgat agaggctgga 780
gcgcatgtcg atagcgcaaa tgacaagaat cagaccccct tacactgggc tgcaaaaggc 840
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acagggtgga ctccgctaca ttgggcagcg aacgagggcc atgttggtat aacgactgct 960
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ttgcatcttg ctgcccagga gggcgaggat gagattgcca aagttctctt gagaaacagt 1560
gaaatcagag atctccagga ttgtgatggc tggacggctc tgcattgggc ggttaataac 1620
gaacatgaaa acaccgtcca gtctctattg gatgctggtg ttgatcctgg tattgcctcc 1680
ttcgacgcat gcacgccgct tgatttggca gaagttgggg ctctagaaac aattgagcag 1740
atgctacgag aggcattagc agcaaccgat agaccaacca ttggtgacgc gcctccatga 1800

<210> 16982
<211> 315
<212> DNA
<213> A.fumigatus

<400> 16982
gcggttataa atccattggc acgcactcgg tgcatcccac aaaagcgatt cgtgacaatg 60
gaaaccctcg atgcggttca gctgccctac ctcggggtcg tcggcgcaag cttgatcgtc 120
atcctgggca tcatattgtt gtttcccttg ggcagcgacc cctttataac catcaaccaa 180
cacccatggg acttgtttca gacaaaggcc aagcaacagt ttgaatataa tgcagctgct 240
ctacttaacg agggcctcca aacagtaagc gcagagatcc ggtgtagctt ccgtatcttc 300
gccaacaggg gttaa 315

<210> 16983
<211> 657
<212> DNA
<213> A.fumigatus

<400> 16983
tcacagacag agtggcatgg cgtctctatc ccggaaaccg tactggcctt gattgcccaa 60
atgacaacaa gagcactgct gggccctgag ctctgccgca accccgaatg gctggacatt 120
gcgaaatcct tcaccacaaa tcgagctatt gctgtcgccg ccgtccagtc ctggcccagc 180
tttcttcaac ctgtgatcca ttggttcctg cccccgtgcc gggctcttcg ccgtcaaatc 240
cagtgcgccc gtaatatcat ccttccggcc ctcgagcgtg aacggcgcgc gtattgcagc 300
gatcagccaa cgaagcggga attctcgaac ttggtgttca tcgatcagta tgccaaggga 360
gcccgctatg atgctaccat ggcgcagctg cgaattattg ccgttgcttt tcagactacg 420
agtgatttgg tcgaaaaagt gatagcacga ctttgcaagc accccgagct cattgagccc 480
ttgcgcgagg aggtggtttc cgtagttggg aatcatggct tgcaccgcca ctcattacgt 540
aaactcacgt tgatggagag tgtgatgaag gaaacccagc ggcttgaacc cgctgtgatc 600
agtacgttgc ctccgaatat agttatcttc ctccgtatgg gtctcgtgct gacttga 657

<210> 16984
<211> 444
<212> DNA
<213> A.fumigatus

<400> 16984
cgtccgatct cagtcggcat gttccgcctc gccaaagaaa aagtgacgtt gaaggacggc 60
actgtcgttc ccaagggtac caatatcgcc tttgcgaatg atctccgctt cgatccggaa 120
atgtacctgg agccggaaac cttcgatggc taccggttcc agcggatgag agaggatcct 180
gcgaagattg accttgcgcc gttcaccaag accaggatga gccatctcgc ttttggccac 240
ggcaagcatg cctgcccggg ccgcttcctg gcctgcgatg aagcgaaact cattctgtgt 300
catattctcc tcaattacga cattagggct gtggagggat cccctccgga attgcgtgcg 360
cgtgggatgt ttgtgcagct ggatcctggg gcaatgatgt cggtgagaag acggcggggg 420
actgaaactg caccgcatgg gtag 444

<210> 16985
<211> 234
<212> DNA
<213> A.fumigatus

<400> 16985
ggccactcgg cgttccggct ggtgaccaac atggtcacct atttgatctt gaaagaccag 60
tatgcggagg aaatcaagaa tgatagtcgg tttggcgctc atgaagcagt tgatcccgta 120
tgtcgccctc ttcattgcgc agatttctcg cagaacgatc tggttctcat ccgtctaggt 180
attacttgtg gacctgcctg gcttagagag catgttccaa ggttcgctgc ataa 234

<210> 16986
<211> 537
<212> DNA
<213> A.fumigatus

<400> 16986
aacattgaac gcccgcctcg tcctgcagcc agcagcgaga gttgtgactc cctagactgt 60
ccaggttttc tccaatttcg attctctatc tcactcgagc atcatccgca tccgcgtccc 120
acaatgacca taccaactga gatttcgtgc cctgaagaag acgcattcca gctcctcgac 180
aagttctcat ggtttcccag cgacgaccag cgacgttggt gggaatatac tggaccctat 240
ctgctcaagc ttctgcgtga tgctaaatat ccgcagaagg atcaggttcc ctgcctttat 300
ctcctgcagc aactgctggt tccatacctc ggcaccttcc cagtcgtggg acaagcacct 360
ctgccttggt ggagcaatgt gaccacctat ggcgtaccgt tcgagctcag ctggaatctt 420
ctgcataata tcgtgcggaa tggcttcgaa ccactctcac acttggcaga atccggcgtc 480
catgctttca accagacacc gccagaggaa tgcgtctccc gcctaagcgt gtcttga 537

<210> 16987
<211> 771
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (737)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16987
aaacaccatc gattaacgcg gttcagacac ttccaacacc acctttggt gactcccgag 60
gaagaaacat ggttgctcaa agagaaagcc cccctcgcca agtctggacg aggccagcaa 120

accctggccg tggaattcca gaatggtggc atcagcgcca aagcctactt cttccccggc 180
atgaagtcgc tggcgactgg actctcgcca ggaaagctca ttcttgactc catcgagagg 240
ctcgctctcc caggattgaa ggaacccgtg catcacctcc gcagcaccct cggcctgcaa 300
gacgacgggc acccgacaga taccgcgatt gccccgttcc ttctcggtgt cgacctgtgc 360
actcccgaac gaagtcgcct gaaattctat gtgaccgacc aggtggtttc atgggatcgg 420
gtagcggaca tgtggactct tcgcgggaaa cgtctggaag atcctcaatg tgccgatggt 480
ctggccctcc tgaggaaact gtgggatctc ctcgcgatcc ctgaagggta tcggagcaac 540
atccggccgg actttgcttt tgggacgcct cctcccgagg actaccgtcc cgttatgatg 600
gcgaactgga ccctatctcc caagaaaaaa tttccggacc cccagatata cctcctgacc 660
gttgggatga atgacgccgt cgtcatggac gcactcgtgg cgttctacga ggttctgggt 720
tggacggatc tggccancac gtacaaggac aaagtggcct catacttgta a 771

<210> 16988
<211> 276
<212> DNA
<213> A.fumigatus

<400> 16988
agactggacg gtgttttcat gttcgttatt aaccgcccaa tgcagagccg tccagccatc 60
acaatcctgg agatctctga tttcactgtt tctcaagaga actttggcaa tctcatcctc 120
gccctcctgg gcagcaagat gcaaagctgt tttcccgctg ttatcccggg cagaggtatc 180
agcctctgta tcgagaagaa gttcgaccac ttcaatttgg cccccgagaa cggccctgtg 240
caacgctgta gatccgcttg tatctttgaa agatag 276

<210> 16989
<211> 297
<212> DNA
<213> A.fumigatus

<400> 16989
aaaggcctcc ttgacagact cgtcaagggc ggtaccaaat tcaagaagca gttttgcgat 60
caccacatgg ccttggagtg ctgcatagta cagcggagtc cgaccattga tatctttgac 120
gtccgatctg gcttggacac tcagcaatat tcttaccaca tcctcatgtc ctacgtcagc 180
tgcacaatgc aggactgtgc gaagtttgtt gtcggtgaga tgtggcttgc tgccccgttg 240
gataagcaat tggacgacgg cttgatgtcc tttctgaacg gccaagtgca gcgctga 297

<210> 16990
<211> 261
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (63)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 16990
cgccgtcgtc atggacgcac tcgtggcgtt ctacgaggtt ctgggttgga cggatctggc 60
cancacgtac aaggacaaag tggcctcata cttgtaagtg atcctgtctg gtgggtgcat 120
gccacaacgg gctggaatgg aattaacctc gttgacagcc ccggccctga ctttacgaaa 180
accaattaca ttcactcggg ggtttccttc tcgtatcgcc actccaagcc ctacctgagt 240
gtttattatt cgccttttg a 261

<210> 16991
<211> 390
<212> DNA

<213> A.fumigatus

<400> 16991
ctctgtctgg ggttgggttc cactgctgat ctgccacagt tttatggtcg aaagtggatt 60
tacatcgtgt catttacctt ctttttgata tggttgatcc cgtgtgccgt ggcgcagaac 120
atccagacta tgatcgtaag ccgtttcttc aacggccttg ctggcagtgc ttttctcagc 180
gttgcgggag gtacagtggg cgatttgttt gaccgccacg aactcagtgc ccttatgagg 240
ggatacacgg ttctcatatc atcggtccag aagtgggccc gctgtatgtt ctcctcgaat 300
ttcctcggct cggacgttga ccggatcgaa gctcgctctt gtgcagcagg gactgacagg 360
aagtttaccc agggttggcg ggttcattaa 390

<210> 16992
<211> 483
<212> DNA
<213> A.fumigatus

<400> 16992
ctcgacttgt ccagactcct ccggcgcaag gcgcaaaagc tgcgcaaaga aacgggagac 60
gacagatgga aggctccaat cgaacgaatg caccgctcgg tagcacggac tgtcctgcga 120
tccacctacc ggccgtggct tctattggcg ttggagccga tgtgtttgaa cctctgtata 180
ttctctgcca tccttctggg tattctctat cttttctttg gtgcttttca gctcgtcttc 240
ggcaacgtat acggcttcga gctctggcaa agaggtctgt cgttcctcgg cctctttgtt 300
ggtatggtat ttgccatcct atctgatcct ttctggcgtc gagtttacgt tcgtctggaa 360
aagaagcacg aaaaagctgt tgggaaacca gatgatttcc agcccgagtg gcggctaccc 420
ccaggtgtgt atagtcctgg tgttttggtt atcggcatat cgaaccagaa tagaccttgc 480
taa 483

<210> 16993
<211> 288
<212> DNA
<213> A.fumigatus

<400> 16993
gctgagtata gacggtctgc taattcgatc tgttgcacga acaggacgat cctcgtatac 60
tcgggtgtat tcacgtttct ggttgatgcc tacccaacat acgcagcgag cgctctggca 120
gcgaacagtt ttgctcgttc gacctttggg ggtgtctttc cattgtttgg taaccaaagt 180
aagcattctc ttcctgtcta tgcatctgcg gtcgtccgcg aagtggagct ggagcaacag 240
gtcaggagca tggtctacgt caatggtggt agcctcatac tcagctga 288

<210> 16994
<211> 216
<212> DNA
<213> A.fumigatus

<400> 16994
tcgagaaact acctcttagg tgacgagaga ccgtgtcagc gctgtatcaa acggggtctt 60
caggatgcat gccatgatgg ggtgcggaag aaggctaaat acctgcacga tgcgccggat 120
ggagcgttga tgcctggagt tgggggggaat ttctacaaca acgcgatgcg aaataatatg 180
cccttgtctc accacggggc tggaaggtgc cgcgcc 216

<210> 16995
<211> 435
<212> DNA
<213> A.fumigatus

<400> 16995

ataaggatgt cgacaactca gcagaccgac tctgttacca caacagaaaa gcctgagtcg 60
cctgtcgatg aggattcgtc aagtgagaag agcacggaag atgctcgagg aaaagaaaca 120
caacagggtg aagaatcgga taggactttt gcacccatca atgcgtccgt cgcaacaaac 180
aatgagcgat cgcagaagct gcagcgcact acgtcttcga ccatcgagcg cagctggtct 240
ctgaatgatg gatacagctg ccatactgtc gacgaagaag cagaagatag atctaaccaa 300
ccgggtgaag cagccgacgg tgatgagttt gttgtcggat gggatgacaa tgaccctaag 360
aacccccgga atatgaacaa gctccggcga tggcttattg tcatcatttg ctcgtcgggt 420
tctctctgtg tgtga 435

<210> 16996
<211> 189
<212> DNA
<213> A.fumigatus

<400> 16996
tatgagaacc gtgtatcccc tcataagggc actgagttcg tggcggtcaa acaaatcgcc 60
cactgtacct cccgcaacgc tgagaaaagc actgccagca aggccgttga agaaacggct 120
tacgatcata gtctggatgt tctgcgccac ggcacacggg atcaaccata tcaaaaagaa 180
ggtaaatga 189

<210> 16997
<211> 237
<212> DNA
<213> A.fumigatus

<400> 16997
atctccagac ctgaggctgc gggacagaag gccgctgaat ctacgccgcc gtccgttctg 60
gtcacctgct ctgattttat ccggaataac atgattatcc gccagaagtc gtctttcctc 120
ttcgattgcc tggtcgcgct ccctccacga aagacattcc ggctctcctc ggtgcggaac 180
aactgtgcta tgcgatacag tagtgaaaaa gctgggccgt tggtaagagc caactaa 237

<210> 16998
<211> 366
<212> DNA
<213> A.fumigatus

<400> 16998
gcgataggcc atctcatgac taacatcgac cggggtctgc ttcaccgtgc attctcagtt 60
ttccttttcg actctaacaa ccgcctgcta ctgcaacaac gcgcttccga gaagatcacc 120
ttccccgata tgtggacgaa cacctgctgc tctcacccac tgggtattcc cggcgagacc 180
ggtgccgagc tcgacgctgc cgtgctgggt gtgaagcgtg ccgctcagcg gaaactggac 240
caggagcttg gaatcaaggc agagcaagta cctctggaaa agtttgagtt cttcaccagg 300
attcactaca aggcgcccag tgacggaaaa tggggagagc atgagagtac gtattggata 360
tcttga 366

<210> 16999
<211> 519
<212> DNA
<213> A.fumigatus

<400> 16999
attctgcact ggattcgcct caccgctttg gaattatggg cgggttttcc ctttacgaac 60
acgaacaacc aaggggggcta caaaaccgta cagtcgtctg gttctctttc acactttctg 120
aggcctgtcg cttttcaggc aaactatcaa gtagtctttt ttgtgttttt aaatattgat 180
agacactgtc ctacacgtac caagatgaca tccaccgcaa cagttactgt tccccccaga 240
attacagcgg agaatgtcgc cacgctcttc cccgaagttg atacatcgtt ggctcgggag 300

gtcttcccct caacagtaga gggctccgcc aaagacagcg aagagcttgc tggctatgat 360
gaggaacagg tccgtttgat ggatgaagta tgcattgttc tcgatgacga cgataagccc 420
atcggcagtg ccagcaaaaa ggcctgtgag tatctcaatt tattgttttt gtctttggga 480
ccttcgcaga aacagtatac tgaccaatgt gagcgatag 519

<210> 17000
<211> 840
<212> DNA
<213> A.fumigatus

<400> 17000
attgtcacta tggttcgctc tcaaggcagt cgctcgctca acgcagatga gcaaacatat 60
cacggtcgtc gcatgtccag ctcccctctg gcggaaacag caattgctcg agatcttgaa 120
aactatgccg ataatgaaga ctccataaat aacactgaag acgaagaaca ctccgaggca 180
tcgaccgtac gtgcgatcaa tagtcagccc ggtacaaccc cccattcttt agttggctct 240
taccaacggc ccagcttttt cactactgta tcgcatagca cagttgttcc gcaccgagga 300
gagccggaat gtctttcgtg gagggagcgc gaccaggcaa tcgaagagga aagacgactt 360
ctggcggata atcatgttat tccggataaa atcagagcag gtgaccagaa cggacggcgg 420
cgtagattca gcggccttct gtcccgcagc ctcaggtctg gagattcact ggagtccagc 480
agtggagtgg agaggcggga gaggacggaa gctgttgctg taccaacaga aactacctct 540
ctgcttgaag ctgggaatgg tggctctggc tatagcctga gagatgctga agcgattgat 600
cgaaagtggg aagaagcggt aattgccggt ctgatacata caacatggaa gcgagaagct 660
ctggtgataa gccgatacgc tgctccgctt actgttacct ttcttcttca gtattccctg 720
acagtagcga gcatattcag tgtgggtcat cttggcaaga aggagctcgg tgctgtcagc 780
ttggcaagta tgactgcaaa catcaccggc tacgcaggtt cgttcagttc tccattctaa 840

<210> 17001
<211> 306
<212> DNA
<213> A.fumigatus

<400> 17001
gagtacgtat tggatatctt gatggctttc ggatttgctt tcgcagccgt tactgacaca 60
caaattctag tcgactatat cctcttcatt caagcagatg tcgatctgaa cgtgaaccct 120
aacgaagtcc gcgatacgaa atatgtcagc gcccaggaat tgaagcagat gttcacccaa 180
cctggcctca aattcactcc ctggttcaag ttgatttgca attcgatgtt gttcgagtgg 240
tggagttacc tcggcaccgc cgacctggac aagtacaagg gggagaagga gattcgccgc 300
atgtga 306

<210> 17002
<211> 198
<212> DNA
<213> A.fumigatus

<400> 17002
ttcctcgata aggaagcaat cgatattttt gggtctacag aactggacaa tgtcatcact 60
ttgaagtttc atgggaaacc attaattgtc cttgcaggcc ataaaagcta cgaaaagacg 120
ggcatcgagt cattcccccc cccccatttt tttccccaaa agccgactgc agctaccgtc 180
gagtttccgc tccagtga 198

<210> 17003
<211> 189
<212> DNA
<213> A.fumigatus

<400> 17003

ttgtgtcata tagtttacca aggtttagcg actagcttgg acactctctg ctcgcaagca 60
tatggatctg gaaagaagaa gcttgttggt ctgcaaatgc agaagatggt cttcttcctt 120
tggactatta ccattcctct tgcatcgatt gtcttcacac tcgccactag acggaccacg 180
cataattct 189

<210> 17004
<211> 1008
<212> DNA
<213> A.fumigatus

<400> 17004
atccctaagt ccgatgaccc aaaatccgtc tcggtatata gcgcggcaga gtccctgtta 60
tgcacagtcc agtaccacca agaataccgc caagctatcg ctcaccccac cgagtataca 120
atgcacatct tcataaccgg tgcaacgggc ttcatcggcc gcgtcgttag tgaactcgct 180
atccaacaag gccacactgt tcacggcctc tcccgcagcc cccaaggcga tgagattctc 240
acgtcgatcg gggccatccc catccgaggc gacctagcca cacacaacat tctacgtgaa 300
caatcggcaa aagcagacgt cgtcttccac ctcgccttcg accatgactt tggcaaatcc 360
tacgaccaaa tcatcaagct cgacactgag gccgtcgacg ccctcgccgc cccgctagtc 420
ggaacctcca agcccctcat cgccgcaagc gggatactca ccgtgcgccc tgaccaaggt 480
gactgcgtcg tcaacgaatc agcaccctat accaaaaaca ccagggtcag gcggcatgtg 540
tgcgaggaga atgcgctgtc gtgggcggag cgggggtgc gggtcaatgt ggtccgcttg 600
ccgccgtatg tgtacggccg ggcaaacgag acggggttcg cggcaagaat ggtccgcatg 660
gcagttgata atggggtgag cgggtatatt gcgtctgtca aagacaggtg cgtgaccagt 720
gtgtatgtgg acgatgcagc ggcgttgttc ttgctgctgg catcagacaa gacggttaaa 780
gccggagaga tattccatgg gacggccgac tgggatacga cgtatgggat gctggccaaa 840
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aagttggggg gctttcctgt caagcttctt tgggctgata attcgggctt cgaatggaaa 960
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<210> 17005
<211> 219
<212> DNA
<213> A.fumigatus

<400> 17005
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tggaagaaaa aggcgagcga caaaatctca tcaatgggtc acagagtcta ctatttgaac 120
gtcactggtc aaaatatcat ggtagacttg ttttacttaa tgcgtgatat agagatcgcc 180
gagtcctctg agcggaagaa gaatctaaca gtgagctag 219

<210> 17006
<211> 363
<212> DNA
<213> A.fumigatus

<400> 17006
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tcggccgtcc catggaatat ctctccggct ttaaccgtct tgtctgatgc cagcagcaag 120
aacaacgccg ctgcatcgtc cacatacaca ctggtcacgc acctgtcttt gacagacgca 180
atatacccgc tcaccccatt atcaactgcc atgcggacca ttcttgccgc gaaccccgtc 240
tcgtttgccc ggccgtacac atacggcggc aagcggacca cattgacccg caccccccgc 300
tccgcccacg acagcgcatt ctcctcgcac acatgccgcc tgaccctggt gtttttggta 360
tag 363

<210> 17007
<211> 432

<212> DNA
<213> A.fumigatus

<400> 17007
gttgaacgga ttcggtgtgt tttccggacg tcagaacaag tgccaacagg ccaggggcag 60
gagttaccag cgggccacca cggtgtcggt ttctattacg atatccagcc gcttcttgct 120
attcctgatg tcaaagcatt catcaacgtg cgcaagcatg ccaagagtga tctggctgct 180
gcagagacag tgattagctt cctggagcgt cacggccagg gacaccacaa tccacgggct 240
tacctgaacg tcctccggga catcgtgccg gctgaggagc tggagacgcg cgtgggtgcc 300
caggccttct actcggttgc agtcaagaag gaggagctgg acattaccgc gtactttatt 360
ccgcaggtat atcgccgctt tgcttccgtc caggtggagt tgaatggaca gcgacggagt 420
agatttgagt aa 432

<210> 17008
<211> 222
<212> DNA
<213> A.fumigatus

<400> 17008
aaaatgctgg acttgagccg tactacaaac caaggcatcc gcaatttcag cgcaacgccc 60
accgtttccg tccttaagtg tgaggccgat gaagattggc tcatcgaggg cacgcagacc 120
ccggcagtgg gtaagggtac ttctattgtg gttggagcct tgacagatat aggcctgagc 180
tttgcatgtg ctttccaaga gacattagat accaaattct ag 222

<210> 17009
<211> 183
<212> DNA
<213> A.fumigatus

<400> 17009
tcagtgtttg tatcattttc tcccctgatt aaaatgagag atcaggctaa gccagcacat 60
caagacttag ctggtaagaa gattgacgtt tctgccagag gactattagc ctggatcacc 120
ttctatgcaa tcataacggt gttgcaaatg ttgttgacac actacaaggc agaaagggtt 180
taa 183

<210> 17010
<211> 468
<212> DNA
<213> A.fumigatus

<400> 17010
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tactctttct atttcaggga ttctgaggag gatgctccag ccgaataccc acctgaccaa 120
cctgaagcgg atctggaaga cgacggcgct gcttacggcg ctgaagaagc cgaactcgag 180
gctgcgctga tcagagagct cgaagaggct gaaagagagg ccgccaaggg cggtgaccac 240
gagatggaag gggctgagga aactgctggc aaggacgacg aggaagaaga cctctccgac 300
gcggagagtg aagatataga ggatgaaagt gacgatgaag aggatgacct tgacgaggat 360
gagggtggag atcgtgatga agatgtagag atgggcgatg acaccgaatc gaaagatacc 420
aacgccgcca gcgggcatca tcaacagcag gacatcatgg tgcactaa 468

<210> 17011
<211> 276
<212> DNA
<213> A.fumigatus

<400> 17011

cgctaccaca tatcaatcac catgtccgtg gtctcccttc tcggtgtcaa gattgttaac 60
aatcccgccc ctttcctggc tccgtatcaa ttcgagatca cctttgagtg tctcgaacaa 120
ctccagaaag gtaacatact caagatgttc tttacagccg aggtcagatt cactaacaac 180
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agctgccagc atacaaatgc aggtttgctg tgctga 276

<210> 17012
<211> 363
<212> DNA
<213> A.fumigatus

<400> 17012
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gaccaagaac tcgactctct tcttgtcgga cccatccccg ttggcgtcaa caagttcctt 120
ttcgaggccg atgctccgga cctgaagcga atccctactt cggaaattct cggtgtcact 180
gtgatccttc tcacatgcag ctatgacggc agagaatttg tccgtgttgg atactacgtg 240
aacaatgaat acgactcgga agagctcacc caggaccctc ccgccaagcc tataattgaa 300
cgaatccgcc gaaatattct tgctgagaag ccgagagtga ccaggttcgc tatcaagtgg 360
taa 363

<210> 17013
<211> 426
<212> DNA
<213> A.fumigatus

<400> 17013
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ggtatctttc gattcggtgt catcgcccat ctctacatct tcatcacgat ctccaccctc 120
atcctcgtca aggtcatcct cttcatcgtc actttcatcc tctatatctt cactctccgc 180
gtcggagagg tcttcttcct cgtcgtcctt gccagcagtt tcctcagccc cttccatctc 240
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ctcgagttcg gcttcttcag cgccgtaagc agcgccgtcg tcttccagat ccgcttcagg 360
ttggtcaggt gggtattcgg ctggagcatc ctcctcagaa tccctgaaat agaaagagta 420
aattaa 426

<210> 17014
<211> 954
<212> DNA
<213> A.fumigatus

<400> 17014
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gaatctgtgg actataaagc tgttgaagag catggtgcag atagttcaga ttcagatgat 120
tatgatcctt caaaaacact ccaagaccaa tattcttcct ccatgacaga tctcaagcaa 180
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gactatgagc cccctgctgt acttggtgtt gaggacatga atactgttgc tacgaatgtg 480
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tcacatgctt tacagtccgg aaatgtgcaa gacagcgcga ccgctactcc tacgccagat 720
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tttgctgtga gtacgctaaa gtcacctcag caccgatggg agaaagctga ctga 954

<210> 17015
<211> 534
<212> DNA
<213> A.fumigatus

<400> 17015
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tatgcgaaaa tggagtccga actcaacgat ctttatcggc ttgagcaaat cttcaatcga 120
actcttttaa ctatcccgga tgtccagctg tggtcggtat acctggatta cgtccgcagg 180
cgcaatccat tgacgacgga cacaactggg caagcgagga ggattatctc atccgcttac 240
gagttggcgt ttcagcacat cggcgtagac aaggattcgg gttcaatctg gtcagactac 300
gttcagttca ttaagtcggg gccaggcaat gttggtgggt ctggttggca agaccaacag 360
aagatggacc tgttacggaa ggcatatcag aaagctattt gcgttccaac tcaagctgtc 420
aatactctct ggaaagagta tgatcagttc gagatgggtc tgaataaact tacagtaagt 480
tcgagccata ccgtgaaggt tctccatttt ctgatatctt ccccgccatt atag 534

<210> 17016
<211> 738
<212> DNA
<213> A.fumigatus

<400> 17016
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aatgaattcc tcaagcaggg catggaagct aatcctgaaa gttgtcttct tgcctttaag 120
cgtgcggacc gactggaaat tacatcggag tctgagcaag atcccatcaa acgaggtgcg 180
aaggttcggg aaccctacga taaactactt gatgctttgt acgatttaat tgcgaaagca 240
cgtacgagag aagctcaaga cgttgcacgc cttgaagaga cttttgcaaa gatgaacgcc 300
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gaatcagtca aaaacgcgca gatcgatgct gttcgcaaag cacacgccat acaaatcggc 420
attctttcta agacaatctc tttcgcctgg attgccctca tgcgtgccat gcgtcgcatc 480
cagggcaaag gaaaaccagg ggagacgcct ggctcccgac aagtgttcgc cgatgcgcgc 540
aagagagggc gcattactag cgacgtctac attgccagcg ccctcatcga gtaccactgc 600
tataaggacc ccgcggccac aaagatcttt gagcgtggtg ctaagctctt cccggatgat 660
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ttactgcagt gcccctaa 738

<210> 17017
<211> 783
<212> DNA
<213> A.fumigatus

<400> 17017
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aagttggcgt ctaaccctga taacgttcat aagaccaagc caatatttgc atttcttcat 120
gagtacgagt ccagatacgg cgatctggtt caggtgatca acctcgaaaa tcggatgcgt 180
gaattgtttc ctgaagatcc tacattggaa caatttgctc accgttactc ggctcctact 240
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ttccctacat cagagcaacc gatgtcccgc catggtaccc ccacgccgag atacccaggc 360
tcggtcacag actctcctaa aagaccactg gaggactttg acgacgacta caaccggccc 420
cgcaagtttg tgagggctga atcaccttta aagacctctc agcggcgaca actggaccag 480
cagaagcgat cacaactcag caatgtccag actggatcgc aattcagatc tcaaggctca 540
ccagctccgt tacctcgcga tattgttcat ctcctgagca tcatccctcc agcctccgcg 600
tacacggccg gtagattctc ccctgagaaa ttagttgatc tcattcgtag aatcgagatg 660
ccgagctcca tttcccagat tcctcttccg cagtcggctc ggggcctcgg gactacacaa 720

acaccaatgc agccattttc cggtaaggct tctccttctc tttccgttcg agctgtctac 780
tag 783

<210> 17018
<211> 612
<212> DNA
<213> A.fumigatus

<400> 17018
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gctgcaaccc taccaacagt aagtccgctc gtgggagtaa acctcactgg actaacaaga 120
gtagcaacgt gtgaccccga cacaggtctg aagacatgga gcctatccac cgatttcacc 180
cagggcagct cggatggatg gacggccatc tcgggcaatg tcacctacgg cagcaacgga 240
gccgaattca ccatcaacaa gcggtacgat gcgccgacgc ttgagaccaa cttttacatc 300
ttcttcggcg aggtcgaggt cgtcatgaga gcagccaatg gcaccgggat cgtcagctcc 360
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accacagaaa gaatactgat gaagatagga atgcactgga accgacacta cccagatcca 480
aaccaactac tttggcaagg gcaacacgac cacctacgac cgcgcaatct gggagaccgt 540
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ctggtacatt ga 612

<210> 17019
<211> 1209
<212> DNA
<213> A.fumigatus

<400> 17019
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agctactacg ccgtcagcag caacgatctc tctccctctc tccaagcatg gtccaacaac 120
acagacctgg aggaactcga cctcagcagc ctcaacctct cttctagctc agactcatcc 180
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gcttggtag 1209

<210> 17020
<211> 738
<212> DNA
<213> A.fumigatus

<400> 17020
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accacctacg accgcgcaat ctgggagacc gtcagcagcc ctcaggacga attccacacg 120
tacaaagtcg tctggaccgc tgcggccatc acctggtaca ttgacgggac cgccgtgcgc 180
acactcgagt atgccgatgc ggtcgatggg aagaactacc cgcaaacgcc aatggtcgtg 240
aagctgggca tctgggccgg aggtgacccg tccaacagcg agggaacgat cgagtgggcc 300
gggggagaga cggattacga cgaggtcccg ttcacgatgt atgtgaaatc ggtcaacatc 360
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attgtggcct cgaattcgac gaccggcagt ggcatccata gctcgaactc ggttagtgtg 480
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atcgcacttg cgttctaa 738

<210> 17021
<211> 315
<212> DNA
<213> A.fumigatus

<400> 17021
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gccaacacag ccttcgtata ccccaccccc atctccttcg gcaacccctg ctgcgccagc 180
gcaatcagat cctcaagcac cttcttcgac ctcggcaggc gcccgctcgt ctccgcctcc 240
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accccaagcg catag 315

<210> 17022
<211> 405
<212> DNA
<213> A.fumigatus

<400> 17022
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cgatgctgcg cgcgcatccc aacatcacca gtctgctggc gtggggattc gatttccccc 360
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<210> 17023
<211> 765
<212> DNA
<213> A.fumigatus

<400> 17023
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ctgactgcgg tcgaagccct gatttctctc ggtgccaata tcaacgcaag ctatcatgcc 180
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tgggcatcta tagtgggacc ccgtctcgct tatcccgatt cctacctgtc gacgatgaag 660
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<210> 17024
<211> 189
<212> DNA
<213> A.fumigatus

<400> 17024
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ccattgctgg ccgtttcggc ctttgcctcc ctcggtgccg cgcagaccta caccagctgc 120
aaccctacca acagtaagtc cgctcgtggg agtaaacctc actggactaa caagagtagc 180
aacgtgtga 189

<210> 17025
<211> 984
<212> DNA
<213> A.fumigatus

<400> 17025
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gagaagattc agatccttca ctag 984

<210> 17026
<211> 231
<212> DNA
<213> A.fumigatus

<400> 17026
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acggattcac ctaagtctgc ccctgcgtct aacagtgcac aaatcactcc tccgtcccag 120
acgccaaggt ccgcagccgc cgcgacgggg gttagtggtg gatatccctt gtcgttagca 180
ttgaggtccg cgcctgcgtc caccagtatc ttgactaact ccgtcatttg a 231

<210> 17027
<211> 1851
<212> DNA
<213> A.fumigatus

<400> 17027

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ccctctcgac ctcgtctgac tttctcctct tgctcgggag tcgtcgatga gcaagccaaa 180
atggacatct acggtacggc cgtaaccgca atcacccaag tctaccaggt aaccatcttc 240
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aagctcaatc tccaactcac gaccttgctt ttcttcaaac gcatctgctt tcatcccgag 360
catggcctcc tcctcccggg aaagctggac ccgttcatcg ccgacacggt cgaagggctc 420
ctggtgcaga tgcgaaagac cctggccgag tacgagctcg tggcggccaa gtacggtctc 480
atcgatgacg aactggccat cgagcccgac aagcccgcca cgacgcagga gtcgctgctg 540
gagcgcgcaa agagcaaggc ccgatcgctc aagctcaagg ggtacgactg gtcgctcttt 600
gacaagaaga ggctgaaccg cattctggac gcgtatacca agtggtccga ggacctgcgc 660
aacatcatgc tgcacatgtc gcaggacacg ttggccaaga tggccgaaag cgaccaccag 720
ggattgcgca gcagtggtct ggagccggtg atgaagcgcc ggacgctggc cgcagccaaa 780
gcacccgccg attatcagag tttgactggg accctcgccg aagaaggcaa gacgatgggc 840
ggctttcgcc tggggaagtg gacggcgtcg gaatccgagg cgatgccggt gattgtcgag 900
taccacgagt acgagagcag gcttaaacgc gacgatctcg aaccggacga gatcgaagaa 960
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caacccaccg acgagcgcac cgtctttctg tacaaactgc ccccctccga accgactacc 1140
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cgcccactca agaaaccctc cctcaacgac cgcttcagca tggcccacag cctggccctg 1260
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cggcatccgg accggcaggg gcggccgtcg caccagttta gccgcgagca tgacatctat 1560
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gatctgattg cgctggcgca gcaggggttg ccgaaggaga tgggggtggg gtatacgaag 1740
gctgtgttgg catgtctgaa gggggagttt agggggaggg agggcccggc gttggcggtg 1800
gatttccagg agaaggttgt ggatgttctt gcgggggggga ttaacatgta a 1851

<210> 17028
<211> 339
<212> DNA
<213> A.fumigatus

<400> 17028
ccgtcgccaa cctccacgcc tccgcctggc tgcacaaaaa catctggagc agaggcatcc 60
tcctcttcct cgagacaccc gggggggacca gcgcagccgg cctctacgcg catcgccttg 120
ccccgtcccc aaaggacaac acccgaatcg tctcctacct cagcgactgg ggctacgcgc 180
gctccgtgca gcaaggcacc gagatgcgct ccgacttcga ggtcgagcca aacctctacc 240
ggcatccgga ccggcagggg cggccgtcgc accagtttag ccgcgagcat gacatctatg 300
cgcttggggt ggtcctgctg gagatcgggc tgtgggtga 339

<210> 17029
<211> 711
<212> DNA
<213> A.fumigatus

<400> 17029
agcagcagcc gaggaagaag acgcagacga agaggacaag ctaacgactc cactgctcga 60
ggtctgcaca gaggccgggt aagtactcgc cgtagcaatc aacgctcgag aagaggtgaa 120
ggtggaagtc gaggaggacg gagcgaacac actaaccgag ttcgagctat ggatgccact 180
gccggtcgtc gaattcgagg ccacaatact ggtatacgag ccggtcttgt ccgtgtagtt 240
atacgacgcc gcagggttgt agttgatgat gttgaccgat ttcacataca tcgtgaacgg 300

gacctcgtcg taatccgtct ctcccccggc ccactcgatc gttccctcgc tgttggacgg 360
gtcacctccg gcccagatgc ccagcttcac gaccattggc gtttgcgggt agttcttccc 420
atcgaccgca tcggcatact cgagtgtgcg cacggcggtc ccgtcaatgt accaggtgat 480
ggccgcagcg gtccagacga ctttgtacgt gtggaattcg tcctgagggc tgctgacggt 540
ctcccagatt gcgcggtcgt aggtggtcgt gttgcccttg ccaaagtagt tggtttggat 600
ctgggtagtg tcggttccag tgcattccta tcttcatcag tattctttct gtggtatcat 660
cgagaaccgg actcacccag tcgatttcgt ccagatcatc cgattccatg a 711

<210> 17030
<211> 249
<212> DNA
<213> A.fumigatus

<400> 17030
cggagttgtg agagcaggtc tggcgtcttc ggtactgctt cagttgcctg tcattctttc 60
atgtcgtttt acgtcattgc ggcggtggac tggcatttga gtcattggga gaacatcatt 120
gcttactgtg gtggtttcgt gtacatagga cacattacat acactgggca ggttacaggc 180
ctggcttatc accttcaatc ttttcattac tcaatttatg attttcacac ccttcagact 240
tgctattga 249

<210> 17031
<211> 1386
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (171),(208)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17031
aacagttgga atgggaaaaa gtttttttggg gccaccaatt tgttcaaacc ataccggcag 60
gggacgttca cccaagacca gtgccaaggt tgttcgggaa gaaagcctgt gcctttcgca 120
gcagcttggg ggagtccgga gggtaccaac ccccaccggg gaccccagtt ntggatgacc 180
tgcgccatac agttggagga agagcccntg aatcgcatct tttcccgtcc actgtcattc 240
cgttggccgt tcaaagaacg ccaactggat gatgagagcg tctacgatga cgcttccaca 300
acttcccctg actatgccag tacgcacgag tcggtatata gcaaacagtc cgtcaagtct 360
gtttcaaagc ccagaatggg cgtcatgaag accgtgggga ctgagcccaa gaaagacctt 420
gtcattgggg acgcccgtta tacgctcgat gagccgtcgc aaatcgatcc ggacattcca 480
acggtagatt tcgggccaac acttacctac ctgcccacca ctggacgtcc gagcacgtcg 540
gacactctga agaagtttac gcatcataag accggctcgg atgccacgga aaaacagcgc 600
tatgcggtgc caacacatcc catcaaccac actcatgcaa ggtctcccag tcaagacgaa 660
caccggcgga gcattctatg gcagccaggc atggcacgtc caacgacccc tggtggcggt 720
ctttccccag aacaatttgt gcagcagcga gctgccccta gcccgccaat ccatctacac 780
caccaccggg caccttctgc gactcctcca cctcggagac cgctctcggg agactggatg 840
gcccatgctc gctccaagtc tcagatgact atttccagag atccccaacc tcgaccccat 900
tcccgtggcg ccagtagcat gatgaacttc aacgacattt catcccacct ctcggctcgg 960
gagcaggagc acgtggctcg tatgacagga tcttctttct ttgatatctc gagcgacaag 1020
agcaaacagg cacctcccgt tgatccaatg ggccttgttg gtgcgattga tgctcgagag 1080
cgcgagaagc agagtattaa agaagggatg tcgaaccagc tggtgcagca cgcaatcgcg 1140
caacggcaac aacactggca gcaccaccaa cagcggcaac ttgccacaac accacctccg 1200
cagaattacg ggctacaaag tggcgttcat ggcaatgttt acaatctccc tgctgcgagt 1260
cacacttggg atgcgctcaa tcaaacttat cgtgctgatg agcctcgccg tcagtcttgg 1320
tatgggccat ttgcggctca gggcaccggc aaacaccgcc aatgtatccc caaagccagc 1380
ctctga 1386

<210> 17032
<211> 312
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (7),(8)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17032
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gatgctttcg ccaaaacagt cgaggatgct cgcatccgta ccacctccgg aggtatcatc 120
actttggctt ctttggtagt catcctgtac ctggtttggg gagaatggct ggattatcga 180
cgggtagttg ttcttccaga actggttgtc gacaagtcga gaggtatgga ccttcgaaga 240
acagagaaca tgggtatacg ggctgatgcg aacgatggca ttgaacaggc gagcgaatgg 300
aaattcacat ga 312

<210> 17033
<211> 963
<212> DNA
<213> A.fumigatus

<400> 17033
caattgtgtg cgtccgctag ccactctaaa gaggaaatcg ccaaacacct cgacccaaac 60
tactgcggcg actgcggcgg cgcagaccct ctccccggct ctatcaaaga aggctgctgc 120
aacacttgcg acgaagtgcg cgaagcctac gcagctaaga actgggcctt tggcaagggc 180
accaacatcg agcagtgcga acgggagggc tacgcggcgc gcatcgacgc ccaacgccgc 240
gaaggctgcc gccttgaggg catcctgcgc gtcaacaagg tcgtcggcaa cttccacatc 300
gcccccggcc gcagcttcac cagcggtcag gtccacgcgc acgacctgca aaactatctc 360
gactccgagc tcccggacaa cgaaaaacac actatgacac accacatcca ccagctgcgt 420
ttcggccccc agctccccga cgaggtctcc gaccgctggc agtggacaga ccaccaccac 480
accaatccgc tcgacagtac aagccaggag acgaacgacc cggcctacaa cttcgtctac 540
tttgtgaagg tcgtctcgac gtcctacctg cctctgggct gggatccgct cttctcgtcc 600
gctgcccaca acgcccacga tcagactccc ctaggctccc acggcatcgc gtatggttct 660
ggcggcagta tcgaaacgca ccagtactcg gtgacctcgc acaagcggtc cctgcgcggc 720
ggcgacgcct cggacgaagg acacaaggaa cggctgcacg ccgcgaacgg catccccggc 780
gtcttcttca actacgacat ctcgccgatg aaggtcatca accgcgaggc ccgccccaag 840
agcttctccg gtttcctgac gggtgtctgt gccatcatcg gtggtacttt gactgttgcc 900
gcggccattg accgtgggct gtacgagggc gccctgaggg tgaagaagtt gcattcgagc 960
tga 963

<210> 17034
<211> 501
<212> DNA
<213> A.fumigatus

<400> 17034
caaggtgcgc ctgagttctc ctgccgaggg aggccgtgtg ctggatgttc aagctttgga 60
cctgtaagca gccaatttct tttaccgttg gcgtccactg ctaacaattg tgtgcgtccg 120
ctagccactc taaagaggaa atcgccaaac acctcgaccc aaactactgc ggcgactgcg 180
gcggcgcaga ccctctcccc ggctctatca aagaaggctg ctgcaacact tgcgacgaag 240
tgcgcgaagc ctacgcagct aagaactggg cctttggcaa gggcaccaac atcgagcagt 300
gcgaacggga gggctacgcg gcgcgcatcg acgcccaacg ccgcgaaggc tgccgccttg 360
agggcatcct gcgcgtcaac aaggtcgtcg gcaacttcca catcgccccc ggccgcagct 420
tcaccagcgg tcaggtccac gcgcacgacc tgcaaaacta tctcgactcc gagctcccgg 480

acaacgaaaa acacactatg a 501

<210> 17035
<211> 189
<212> DNA
<213> A.fumigatus

<400> 17035
acaggcgagc gaatggaaat tcacatgaac atcacctttc cccgactacc atgcgagctt 60
ttgacccttg atgtgatgga cgtttcggga gaacagcaag ttggcgtggc acacggcgtt 120
aacaaggtgc gcctgagttc tcctgccgag ggaggccgtg tgctggatgt tcaagctttg 180
gacctgtaa 189

<210> 17036
<211> 744
<212> DNA
<213> A.fumigatus

<400> 17036
ggaacctccc cgccgctcgg tttgtctccg ctccactttc accctgaact tctgggtcgg 60
tggcctcgtg ggggactatc acattcggct gctattatta ctacttttat tggtgtctcc 120
ataattctag acgagttttt agtcggttcc agactaaagg ggagaaaggc tagcttgggg 180
tgcaaaaaaa agctggaaag tcagcaggac ggaccgttgg gaccgcccgg agaaatccat 240
cacgtcacgt tgtcttgtcc gtcctcccgt ctagcaatgg cagctgcctt tgacgacgag 300
gacctttctg tctccctccc ttcctacaat tccgatcgtc atcgtgaatg tcccattgga 360
gccggtcctc ctcctaacgc ctcgaattat cctgccaggc caatgcctcc gcccacacgc 420
ccgaccggga tggccgccga cccctccaag cagtccccgg cgaccatgag ggacatgcag 480
cggctcgatc agtaccagac ggttaagatt ctgggcgaag gctcgtttgg aaaggtaaag 540
ctggcgattc atcagcctag cggccgtcag gtcgctctga agatcatctc ccgtcgcaaa 600
ttgctatcca gagacatggt cggtcgtgtg gagcgggaga ttcaatatct gcaattgcta 660
cggcatcctc atattatcaa attgtatgtt caagtccggg tcttgtctgt gttcacggat 720
agaaatagac taatgctttc ttga 744

<210> 17037
<211> 852
<212> DNA
<213> A.fumigatus

<400> 17037
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gaacgagaat tgttcgatta cctggtcaaa agaggccggt gcaacgatgc agaagctcgc 120
aaattctttc agcagatcat ctgtgccgtc gaatactgcc accggcataa aatcgtgcat 180
cgggatttga agccggagaa cctgcttatt gacaaggata agaatgtcaa gattgcggat 240
tttgggctga gcaacatcat gacagatggg aatttcctca agaccagctg cggcagtcct 300
aactatgctg ctcccgaggt catctctggg aaactctatg ctgggcctga ggtcgacgta 360
tggagctgtg gcgtgattct ctatgtattg ttggtgggac ggctcccatt tgacgacgac 420
tatattccag ccttgttcaa gaagatcgcc gcgggaaatt tccacatgcc cccgtatatt 480
tcgtctggag cggctcgcct gatcagatcg atgctccaag tccaccctgt ccaccgaatc 540
actattccgg agatccgcca ggacccttgg tttctgcagg acctacccaa atatcttcaa 600
ccccctccgg aagaattcat tgctaccggg gtggatccga acaaggctat agaccttaag 660
aagattgccc cggggaagcc cctctcggtg cagcacaaga tccaccagat tgccatctcc 720
aagttggagc ggagcatggg atatgcgcgg gaagatatcg aggatgcact caagagcccc 780
gagcccagcg ctatcaagga tgctttttc attatcgtag aaaacgaaat gatgcagacc 840
aattgtgagt ga 852

<210> 17038

<211> 648
<212> DNA
<213> A.fumigatus

<400> 17038
cagcgggcag ctcccacaga ggacaacctg atgggtggtc ctgtcgcacc ttcacctccc 60
ccgaaccgaa ctcctttgac tacacctgca gttggccggc ccgctgcacc ccgcccccaa 120
ggattccctc attatgattc acatcgcgcg ccctcacaag caccacaaca ggccgattcg 180
gatgacttcg aaagttcccg aatcagccat gttcgcattc tgccgaccag cttgccctat 240
gtgcatgatc aactcatgga acaacgggag cgggagcggg agcagcgggc acgtgacgcg 300
ggccgattac gagaagaacg tgctcaggcc agtctcgacg acgatctttc cggcgcacgg 360
tcccccgagg agcaggaagc aagcgctcga gcgttgaaac cgcactcccg tagtatcata 420
gacttgaaca aactgcgcct ggaaccgcca gagggtcgga gtgcacccca gcagcccaag 480
aggacgcgca agtggcagtt tggtattcgg tctcgcaatc aaccttacga ggcgatgctc 540
tatctataca aagccattgc cgcacagggc ggcgtgtggg agatccagcc ctccgaagca 600
ggttcgtttt cttccacgtt actgactcac gtacgtgttg tgaactaa 648

<210> 17039
<211> 1089
<212> DNA
<213> A.fumigatus

<400> 17039
ccggtatcac catgtacaag gtacccgtca ggccacgtgg gtatatcccc acgaacctac 60
caaggttccc tcccggaaga tcacgtcgat catcctcgta gggcaagaaa gatggctccc 120
aatctagctc catcgaccct ggagtttatc cgtgacatga ttttgagcaa tgaacttact 180
cactcgcaga ttgccaatgc ggctggctgc catccaagta ctatcactag gcatgtcacc 240
aacatgaagc tgtttggaaa tgtgaaggca cccccaaata agggcggacg cccacgaaaa 300
ctcacaccgg ttatgattaa agccctctgc gatcacctac tcgagaagcc ccatttatac 360
cttgatgaga tggcgatttt tttatgggac gagtttcagg tgcatgtaac cacatgcagc 420
attggtcgtg ctcttaggcg tgaaggttgg tccaaaaaag ctgctaaata caaagcaaga 480
gagcgaaacg cagatctacg tgacacgtac ttccatttta tatcagactt ttgctcatac 540
catcttgtgt atgtggatga atctgggtgt gacaagagga taggattcag aagaactggc 600
tggtctcctc ttggtatcgc cctaactcaa gtcgccaaat ttcatcgtga ccagcggtat 660
caaatcctcc cagcctacgc ccaagatggg atcgtcctgt ccgatgtttt tcaaggctcc 720
accgatgcgt ctgtcttcga agattttata gaggagctgc ttcatcattg cgggagatgg 780
ccggagccaa aatctgttct cgttatggat aatgcctcct tccatcactc tgagagatta 840
gagcaaatgt gcgcaggagc aggggtacag ctggtatatt tgcccccgta ttcgcctgat 900
ttgaatctaa ttgaggagct cttctccgaa ctgaaagcct ttgtaagacg gcattggcaa 960
gtgtacgaag ataacccga ccaaggcttt gattctttcc ttgaatggtg cattgaaacc 1020
gtgggtgcga ggaaacagag tgcaaaagga catttccaga atgctggtct gacaatcgaa 1080
gagatttag 1089

<210> 17040
<211> 204
<212> DNA
<213> A.fumigatus

<400> 17040
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ccgtgcaaca ccaattttta caccctgctt aacgaagaac tccgggtttt ccgtgcggat 120
ttgtccaagg tcaagacagt tctccaacgc tatatcacgc gctttttaa tattttcctt 180
atagctgtca ctgttcaccc gtga 204

<210> 17041
<211> 1110

<212> DNA
<213> A.fumigatus

<400> 17041
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atctcgtaca ctatggcggg taagacctgt ctttcacatg atgattatac agttggatgg 120
atctgcgcct taccactgga aatggccgct gcaacagtta tgctcgatga gaagcacgag 180
aaattacgca ggcaaccgaa tgaccacaac gagtatgttc ttggacatat tggggaacat 240
aatattgtgg ttgcatgcct gcctagcggc gaatatggaa ttacatctgc tactacggta 300
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ctacaagcga ctcattacac aaaaccaagc caagtgatta attttcttgc tgagattgag 600
cagaaactac caacagaaca agctgcaaac tttgctcgtc ctacacagac agatcagcta 660
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gtaatacgtg gaatttgtga ttatgcagac tcacacaaaa ataaggagtg gcagggatac 960
gccgcggcag tggcagcagc atatgcgaaa gaattgctac tcacagtgtc tgcggatcag 1020
accagaaaca caagagctat aacgaatgtg ccacctccgc ccacagtaag cggccacagt 1080
ctcatcataa tatatgtcga tcttatctaa 1110

<210> 17042
<211> 345
<212> DNA
<213> A.fumigatus

<400> 17042
gatgttatgt tcccgggtgg ccagcaaatt tacgttgacc catctggtgc cgtcaagttc 60
accaccgctc actccgccag catgcccccc ggctccaccg tcgagggttt ctcctacact 120
tccggtgacc cattaggcca ctggaacttc agcggccagg gcgccaccgg cttcatggct 180
tgccctactc agggtgatgc tcctgctccc taccaggtct ttgctgccat cagctccgcg 240
accgttccca ctggcaatgt cgccgactgc ctcggattcg atgcggccgc tattgcctgg 300
actccatctc aggggcagac tgcagccgct tggcagtaca cgtag 345

<210> 17043
<211> 312
<212> DNA
<213> A.fumigatus

<400> 17043
ttaattaaat cagggctata caagcccccc tatagtacta atatactaag taatttgcct 60
ttaggggccg ccgcttcggg aaactgcctc cccggatgcg gaaatgccgg ccctcaccgc 120
ctcatctctc gccgctatat aggcctcccc tcccgccctc gtaaccgtca cgtcctgtta 180
tccccctcaa ttttacgccc gtctcccccа acgctcgccg cgacatccct tgtggactcc 240
cacggcgtcc agcccactat tgtgtctagc gcttctcccg tgtatcgcct ctatcgacta 300
aacgaaggat ag 312

<210> 17044
<211> 1275
<212> DNA
<213> A.fumigatus

<400> 17044

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gaccacgata tagtcgccca cctctggacc aggggccgag agcagaatgg tgagggtcca 180
cctgcagaca cctcaagccg gaagatcaaa aggactccac gtaacctata ccgtattcca 240
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acgagttcca tgtccgtgtt ggccagtttg gtggacggcg cattagactt tctgagtacg 480
gttatcgtgt ggacgacaac caagcttgcg cagcgtcagg accggtaccg ataccccatc 540
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ctcctgtaca tgaccatgcg gttctctaaa atcatcacca aaatccaaga tttgaaggcc 1080
tattacgcgg gggatcacct caatgtcgaa gtggacattg ttgtagatga gcggacgagc 1140
ttgcgcgatg ctcatgacgt cggtgagagc ttacagtaca tgctggaaag cgtgccgact 1200
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caattggaag catag 1275

<210> 17045
<211> 186
<212> DNA
<213> A.fumigatus

<400> 17045
ggctgccaag gaggctgcgt aagctccccc ctgtttcctt tagccccagc gctcattggg 60
aatccgctct cgctaacatt ctccaacagt aacgactacg ccaagctcct ggccacccgt 120
gtccacgagg agaaggctaa gcgtgacgag ctccgcaagc ggagagcttc ttcgatgaga 180
aagtaa 186

<210> 17046
<211> 342
<212> DNA
<213> A.fumigatus

<400> 17046
ttgacacttg tcattacagc catcaccaac ttcgacctcg ccgtccttgc cctgagcatc 60
gtcaagcagg gtgagagtga gctccccggt ctcaccgaca ccgttgtccc caagagactt 120
ggtcccaagc gtgccaccaa gatccgccgc ttcttcggtc tcgacaagaa ggatgatgtc 180
cgcaagttcg tcatccgtcg taccgtcacc cgtgagggca agcccgacta caccaaggcc 240
cccaagatcc agcgtctggt tactccccag cgtctccagc gcaagcgtca caggattgcc 300
ctcaagcgcc gccgcgctga ggctgccaag gaggctgcgt aa 342

<210> 17047
<211> 237
<212> DNA
<213> A.fumigatus

<400> 17047
ccgcgcacac ccgtcaagat gaagctcaac atctcctacc cggccaatgg gtcgcaaaaa 60
gtcatcgagg ttgacgatga gcgcaagctt cgtcccttca tggagaagcg catgggaact 120
gaagttagca cacccccaga catattctgc tttacgtatc cggcacctcg aaagcacaca 180

agagaactct tctcagccga aagaaaattg aatatcgaat ggagaacaga agactga 237

<210> 17048
<211> 741
<212> DNA
<213> A.fumigatus

<400> 17048
tactcctgtc accatgaaaa catggcgcaa acagcaaaat ctctcagagg aaattacatt 60
ggctccgttg tggacaacga gaagctctca aacaccatgc tcaatatgta caagacaccg 120
ctggcggatt ttaaggcgca agtaaaacaa tggacgacgg cggagagagc agccctggag 180
tccttgtccg acgagaagat cgcatcccgt caaaataaca ctattgttgt tgtctcgttt 240
gggatctggg acttatggaa catgatcgga aagagctacg aagattcgat caatgtggtc 300
gatcatagta tccaggtgat catggaccag ctcaatgtgc tctctcagct ctgggtcata 360
aataacctca aagtcattct cacactgaca ccggatgtga ctttccttcc agcatttaag 420
ccgacagcag ccgaacagcg cgtcagtcac tacaaagaca cggtcaagct gacggagtat 480
tggaatcaca aattgcgtga tgctgcagaa caatgggtgc aaggcgccat ctacctgttc 540
gacaccaatg catttgtggc ggaccttatc aaagactggc agctcttcgc tgccggggtg 600
gaggaatcca acgggcttgg aaaaaatcag gatccgggct gggtgaacgt tgaagacgca 660
tgcgtccaga gtggccagca atgggtaatg gccaccaagg agaaacaatg tgaaaatccg 720
gacaagtacc ttttctggtg a 741

<210> 17049
<211> 198
<212> DNA
<213> A.fumigatus

<400> 17049
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caattcctgg tgcttcgcaa ggtctacgaa gaaccgcttc tcatctttga cccgatgtct 120
cgcatcgtga tcagcaagcg aatcggggct gacaacacca gagtccatgg tggaatcctc 180
atcactatac tccgatag 198

<210> 17050
<211> 1728
<212> DNA
<213> A.fumigatus

<400> 17050
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atttcttcca ttcttaacaa gaaccgggcc aagattttaa ccagcaaatt cgagcgtata 120
ttgaaagaaa gggctcgcct aaagaaactg gacctcacgc atgacctaag aaaggccgac 180
gagttgattg ctgaattgga atcaacgaga gatctgtctc agtacgtggt acatgttgac 240
tgtgatgcat tcttcgcagc tgttgaggag cttgaccggc cagagctcaa aactgtcccc 300
atggccgtcg gaaagggagt cctgacgacg tgtaactacg aggctcgaaa gtacggatgc 360
cgcagtggaa tggcatcctt tgtggccaag aagctctgtc ctcagttgat ctgccttcct 420
cagaactatg agaaatacac cgccaaagca caggagattc gtgttatttt cgcgcagtac 480
gatcctctct tcgagagcgc gagcattgac gaggcatatc tcaacattac ttcttactgc 540
accgaaaaca atctcgatcc ggaagaggcc gttagtcgta tgcgagcgga gatcttggaa 600
accacgaaaa tctcagtctc tgcaggtatc gcggccaacg cgaaggtcgc gaagatctgt 660
tccaatcgca acaagccgaa cggacaattt cgtgtcccta atgagagaga agctattatg 720
gagttcatga gaactctccc ggtccggaaa gtgaacggcg tcggccgcgt gtttgaacgt 780
gaactcgatg caatcggcat aaagacatgc ggtgacattt accctcagcg tgctctttta 840
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agaacgcaaa ttcagcccgt ggagaactat gaacgaaaaa gtgtcggcac ggagcgcacg 960
ttcagtgaaa ttggcgacaa acaattactc cgagagaaac tatgggatac ggcgcaggaa 1020

ctcgagaagg acttggctcg tgcagagtgc aaaggtcgta cgttagtcct caaggtcaag 1080
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atgaaactgc gacttcttgg tctccgctgt accaacttgg ttagcacgaa gaaagtggat 1260
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atgacagagc agcaaatcgg tgccgaggaa gctttcgagg aagctgcacg ccaggaaagg 1380
caagacgaca tcaacgaact ggagcagctc agccaggaaa tttccgacac ggagcaaccg 1440
aacaaaggag gtgacacaac catgcttcct gagtcagaaa gtcaaccgca attctgggat 1500
tgcccaatct gttcacggcc tcaggtcgcg gaggataaag cattcaatga tcacgtcgat 1560
tattgcctct caagggaaac catcaaggaa gccgtccagt gcaccgccga tgtatctcca 1620
atagccatag agagcacgcc gaaaataatt ggacgaaaaa gaaaggcgac aaaagagccg 1680
tctcacgagt ctcacgaccc acggcaaagg cgtctgttct ttacatga 1728

<210> 17051
<211> 1617
<212> DNA
<213> A.fumigatus

<400> 17051
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cggaatagca gacgtgatgg atttttgtct ccaggcaatg caccatccag cggacagtca 120
tcgccacaag tacagtattc gcatgcaggt gtcggccatg ttgcgagctc ggggggttgc 180
agaacggagc ggagtcccgc ccgctcgaac gggaagttgg aaccgtccag agggaatcga 240
gcaaagactc tgacgacaga gcgtccaaat actccgcggc cgaattccta ttccgactct 300
tccacttcgc gaatgttttt ccacgcatat gatgcgcggt ctccgaattc ttccgacggg 360
gacatccgat ccaaacaact aagcaaacca tcctcgcctg ctacgtttgt atatgccaat 420
ggagaacaag aggagcagac tcaaggcgag gaggcaaata tcacagctcc gacggtcaag 480
cggcgatcga taggctcgtc tcgtcttgcc ttggcaccaa aagctctccc agttacctcg 540
ccccggttac ggccagctaa gctcgctgac tctgcggcta gactttcgga cgctacttca 600
caagtcagct caccacgtga tggcatttcc gaagttagct ctcaagctca tagctcattc 660
tcgggcgctt ttcccgcaag aacaccaatt ccggctgtca ggcacatcaa atcatcaagt 720
ctcgactctg ccagcagcgg tgtccatccc aaggaaggcc tgaagccaag cccgataata 780
gtatcaacgg ttggatcgcc ggtagaaacg gaaagtgctg catccgagtc gatgccgggg 840
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gctgcacaga gtccggtgaa gtcggatacc ggacaggcaa acaacgacgt cgttctcaat 960
gcgcgaattg agaggaagat ccttgacttg gaaatcagca actcctcttt acttgcgatc 1020
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gaggaactat cggagtatag tgatgaggat tccaccatgg actctggtgt tgtcagcccc 1260
gattcgcttg ctgatcacga tgcgagacat cgggtcaaag atgagaagcg gttcttcgta 1320
gaccttgcga agcaccagga attgctggct gacagtcaga aaataaatca aagcctcaaa 1380
cgatgtctcg ggtggacaga ggagctaatc aaagaaggca agaaggctct cgagtatagc 1440
gtgcatgtca acgacgtaca gcttggtgga cgagtcctct caccggagga gcttcatgag 1500
gaggcagaaa gagcccgtgc actgttgagt cctgttgccg aacctcctcc tgatcctccg 1560
ttggcatctc aggagttgga atctctaatg gagatgcttg acaatggggg ctactga 1617

<210> 17052
<211> 471
<212> DNA
<213> A.fumigatus

<400> 17052
cccgcatcgg cacagctcca caacgctaac agttcaaacc atttacgaca gattgttatt 60
atatgggatt atacgttttg cagactaagt attcaagctt cagggagtag ccaagcggga 120
tcgggctcgt catcctcgtt atccgacctg aaattcggtc ctggagatct ttgttcctcg 180

tccctgagta gatcagctgg tggttcggga ttgtccaccc caagaggatc tgtcaatgaa 240
tcgcttttac cgtcaggagg acgtgcattt gttgtttctc ttcctggagc gggtgatttg 300
tcctctgtag atgctttaaa tgcgtcgagc agcatctctc gtgcttcgcg cagggcttcg 360
agctctgctc caatgcagca tatgagtagc ttccaatcct tcttctctgc aagattcagg 420
tgttgttcca cgcggttggt agtatgctcc agatcttcta caacagattg a 471

<210> 17053
<211> 246
<212> DNA
<213> A.fumigatus

<400> 17053
agaaattcct gccaaaagtt tgtcgctaac cgactcttga cctttagaga ggcattatac 60
gaagatgagt cttttccgga gcgggagctc gccgctttag ttgcggcgaa ggtttactat 120
caccttcaag aatataacga aagcatggtg ttcgctctcg gagctgggaa gctcttcaag 180
ctggagaatg gcggcgagtt cgaggagaca atcatcggta aattttggca gtactcctcc 240
gattga 246

<210> 17054
<211> 582
<212> DNA
<213> A.fumigatus

<400> 17054
gttttctctc aagccaaatg tgttgataca tttatctccc tgtctgctgc tcaaagaccc 60
gccgcaggcg acccgtctgc caacttgaac aattcattcc cgacatcagg cgaaggagcc 120
acgagcacgt ccgccagcct aacatctccc attacgccat tctcgcagtc cacattgccg 180
tcaaagtcat tgctgtctcg gcaagaggtg ccgggtttgg acgccgctca cccgggaggc 240
gaagacgtgt ctgtcaagca tgatgaaaca acattggtac tgaaacgggg agttcagggc 300
cagctgcaat ctgtcattga gcgtttgttc gagcaatgtt ttgtccagaa acgttatcgt 360
caggtcatcg gaattgccat cgaagcgaag aatttggacg tactccgcag ggctattatc 420
cgagcaagtg aggatgggaa gaaacacggt ggatcccgtc gaagcgagga gctcatggag 480
tacgtattgg atatctgcat gggaatcgtg caggagaggg cttttcgcaa tgaagtatgt 540
ctatttttctt gttttatatg ccgttgtcag gccttccgct aa 582

<210> 17055
<211> 2226
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (2180),(2204),(2216)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17055
atcttgaaac tcattctcga gctcctgaac gaaattccag ctccggacta cttctcgatt 60
gctaaatgtg ttgtcttcct gaacgagcac tccatggcat ccgtcattct tcgacagttg 120
gtggagaagg gtgatgccag gtcacttgcc gttgcttacc agatctcgtt tgacctttat 180
gacaatagta ctcaagaatt cctcaagaag gttcgcgaag aaattgccga acttgtaccc 240
gaagaacagc agcccgacag cagcaaaacg gaaagtcaag aagagcccaa ggaatctgat 300
cctttgttgc aggatcagtc tagctcggag caatcaaggt ctcttggatt gaacaatacc 360
caggcgaagt tatctgatga agcgcgtacg gcattcaaaa atatactcga gattctcgat 420
ggcataaaat caattcaact caatctcgag ttcctctacc ggaacaacaa agccgatatt 480
gctattttga acaaggtccg cgatagtctg gaggctcgga actccatctt ccatacagcc 540
gttactcttt ccaacgcgtt catgcatgct ggcaccacac atgacaagtt cttccgagat 600

aatctggagt ggctgggcaa ggctgttaac tggtctaagt tcacggctac tgccgcgctg 660
ggtgtcattc accgtggcaa tctgagccaa ggccaaaagt tgctccaacc ctatctccca 720
agggagcata ttgctggcgt tggcgggtcg ggctctgttt acagccaggg tggatcactc 780
tacgcttttg gactgattta tgctaaccat ggtggaatgg ctgttgacat gattcgggat 840
cacttcaaaa aggctacgga ggaggttgtt cagcacggtg gagcgttagg attgggtgtt 900
gctggcatgg ccactggtga tgagggtatt tacgaggatc ttcggaatgt tctctacact 960
gactcagcgc tcaatggtga ggccgttggt ctggctatgg gcttggtcat gttgggaacc 1020
ggaaatatga gagctcttga ggacatgatc cagtatgctc acgatacgca gcacgagaag 1080
attgttcgtg gtctggctat gggtatggcc ttgatcatgt atggccgcca agaggctgct 1140
gatgagttga tcaacggcct tctgggcgac cctgacccaa ccctccgtta cggtggtatc 1200
atgaccattg cgcttgctta ctgcggtact ggcagcaaca aagccgtccg caagttactg 1260
cacgttgccg ttagcgatgt caacgatgac gttcgtcgtg tggcagttct cagtttgggt 1320
ttcatcctgt tcagaaagta ccagagcgtg cctcggatgg ttgagctgtt gtctgaatct 1380
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gggctggacg aggcgatcga ccttctggag cccatgctta aggattccac cgatttcgtc 1500
aggcagggcg ccttgatcgc cttggccatg gttttggtcc agcagaacga ggctatgaac 1560
ccccgtgtca gcagtcttcg taaagccatg atgaagatga ttggagacag gcatgaagac 1620
gccatggcca agttcggctg cgctgtggct cttggcatca tcgacgccgg tggtcggaac 1680
tgcactatca gcgtgcagac acaaacaggc aacctcaaca tgcctggaat cgtcggaacg 1740
gccgttttca ttcagtattg gtactggttc cccctcactc acttcttgtc gctcagcttc 1800
acaccaactg cagtcatcgg cgtggatcag aagcttgaag ttcctttctt caagttccat 1860
agcaacacga gacctagtct tttcgactac cctccagagc agcaggtgaa ggccgaggag 1920
gcgcctgaga aagtcaagac tgctgtactt tcgacgactg ctcaagcgaa gcgtcgcgct 1980
caacgtcgtg agaaacaaca acggcgtgag agcatggatg ttgatcagac gccaacaaca 2040
ccaaaagtgt cggaccagct ccccgagaag atggagacgg acgaaggtgc ggagaagccc 2100
gaggaggagg cgaaggaagg agagaagggc gctggcgacg gtccgaagaa gaaagcggag 2160
cgggaaaagg ccggatatgn atttttatca cgcagctgca agcngaacat gaatcngggc 2220
cggaga 2226

<210> 17056
<211> 195
<212> DNA
<213> A.fumigatus

<400> 17056
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ggtcctaaac ctggcaatct gttccagagc atccgacctt tcgtcaagtc ggaagctgag 120
tatttctcgt tcctcctctt tcagtttcag caaatcatag atcgacttga atatcccttc 180
ccgtgcttca cgtaa 195

<210> 17057
<211> 270
<212> DNA
<213> A.fumigatus

<400> 17057
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tcaaagatgg tcggacttgc ttcggccgcc ggtcttgttg gctttctctc tgaacctgat 120
ccggagttga gagtcttcgc tttgaagacc ctcgattctc aaatcgacct cctctggaca 180
gaagttgttg acgcagtgcc tcaaatgttg gtcatccatc cgatttccac atcactatta 240
aagaaattcc tgccaaaagt ttgtcgctaa 270

<210> 17058
<211> 639
<212> DNA
<213> A.fumigatus

<400> 17058
gctgaagata tggcaaaggc ttacccaaag gcattcgctg gtgcaccacg ccggccaaga 60
atcgtacctg agtcggcagt gcccatctct ctggaccccc ctacacaggc cagattgtac 120
tcggaggtgg aggttatgat ctgcgtgact gcaaacacat tcctcgttcg acaatacgaa 180
gccggccgta tctcagagga atcaatcaaa agagttacca acttctgggg ctccaagaat 240
agacctcagg tcgtcgagtt tcagttcgat caggccactc agcgtcgact gatcttgtct 300
aacatccgaa cgctgagctt cgacggagag agctcaacca accccatcct tctccactcc 360
aaccttcaca actggaaagc agtggtgaag gagatgagtg tccgcacctt ctgcgccccc 420
gacagtgcca ttcggaaaca catgcacgac atccacaagc tcctcgagat gctcggtgcg 480
cacgatgcta ccttacttgc tttcgaagag cttcaaatga gcacattagc cttgatgaga 540
caacgacggc agatgaacta tgatcttgag cgaagcaaca gcaacttctc ggctccagca 600
acggacccac agaaagtagt cggctcatgc actaactga 639

<210> 17059
<211> 1116
<212> DNA
<213> A.fumigatus

<400> 17059
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tctcacatga tggctggtcc tcttcacact tacgggccga cttgtctact ggccgacgat 120
gatcccgacc attccacatg gtattctcta tctgaaccgc cgaaagttcg agcacagttt 180
ttctacacct cgtctctacc gatcgatgat cccttaagcg cactgcctcc gccatccagc 240
ggtcaaaatg cgaagaatga acgggcacca ccgcagccat tctctgtcaa ggacaacata 300
gcactcgagg aagcgtggcg gcatcttcga caaacaatga aggaaaaggc ggccgggtca 360
aaaaagtctt caagtattct gagaaatgca ggtatagctg tacctgggaa gggatcgact 420
agtgacacgg agcagagcaa acatacaggc agccgtcgag atggaagcct cactggaatt 480
gataagagtc cgcctaatgg ccattcttcg tctaccaatg accaacgaat acacagtagc 540
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caatttggct cggcacaaga cgatgggtcg gacaatcaca acctgaggaa aagggaactc 660
tccttaagcg gtcagcctca tgctgcaaaa cgcgctgcag gtacatcctc agagagcgaa 720
aatccatcaa tgaggggatt cgcaagtgga attctaccgg gtacatcatc tcatgatgcg 780
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cacgttgggt caaatcatac tgcgaccaag ccctcagacc tgaggaacag ttttgatcaa 960
gataactcgt cagaaggacc tataatggaa gctggggcag ttgatcagga cgacacttct 1020
cagttgaagg ttcccgtcgg tgtttcccga cttcacctgg tggaattacc gaatctaaag 1080
gtggtatttc cctcgatagc tgaattcaag atctag 1116

<210> 17060
<211> 222
<212> DNA
<213> A.fumigatus

<400> 17060
aataatgacc atatcaatag acaatacgat gccgactacc acgaggctat atcagtcccc 60
tacaccttct tctccgctat gcatcttctt ttgaaattct atcaagtctt cgcatctgtc 120
ttctcctgtg atccctctgc acgttcatca tcttgcctct gctgccgagt actactacgt 180
cgtcagttcg atcccatcgt tcataccgct tcatcaccat ga 222

<210> 17061
<211> 696
<212> DNA
<213> A.fumigatus

<400> 17061
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cctgatacca cggtcaccac cctctcttct ctggatcctt cgtccagatc cccttctttc 180
caatcagtgc acgctagcac cgttgcacca ccgtctcctc ttgatatctc atcttctcct 240
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cttcataaag ggactcagcg caagccatct gttagggtct atgacgagga tattcccaca 360
agtcagcagg ccacttttgt gattgaaggg tacagcaacc attctctgtc tcctgtgaac 420
gaagcattgg agatgtgtga tttccatccg attgatcgtc atcacttcag cgatacgacc 480
caacaagtga gatcctcgca caaaaagctt ttcggaacaa atggctggct cggccaagcc 540
gacgactcca acactgtgcc gctcaagaga caaaagtcga agatcttccg agatcttgga 600
aagaagatca agcaccatgt gggagagatt gtaagtgctc acagtaactt cctgatccta 660
tcatttacag tgtcgctaat acagtctata ggctga 696

<210> 17062
<211> 1086
<212> DNA
<213> A.fumigatus

<400> 17062
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ttttacaaga acacaatgct tccagtagag acagagctcg ccaacaagct tgaggatgga 120
tacatttatc taaaaccctg gacagacaca tggcaggatg aactcaacag ctgtgttgag 180
aacggagccg acgcggaaat gaaaatcgtt cacaaactgt ggccgaaacc cgagacgaaa 240
tccaacagca cacctacttc acgccctgga tctagtgctc agctaagaag tgcgggttcg 300
gattctgact cgccaacgtt tgaggaaaat cgagctgctg gtgggacgac tgcacatact 360
gaagccgcca agcccttctt gaattccagt gtcatatatg tcgatggtag gaatgctcaa 420
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cactcgagtc gcggcccaac gtccgcagca gctgttgccg ctggtatggg acaaggcatc 1980
ccacgctcgc ccagtcgaac actgagcacg gagtctggga cagacgcaga gtcggccttg 2040
acccgccacc gttccgtgat cgaaaagtct gcgacgcccc acctttccag gaatgcgcac 2100
cgaagttcga caacaggcat ccctcagcca tcgtcgaacg cgccagccga cgacgggggt 2160
gccattgtcc ccagctcgca ctcacggcat gcgtcgggcg acccggtaag caatgagcgg 2220
tggatccatc gtctgaggga actcgagaag cgcttgaagg cggagcggga ggcgcgtctg 2280
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cgtgctcagc tggagagaca gcgcatgcgg cgaggtctgt cggcagagac ctcgaccgac 2400
ggcgattacg atcacggtcg agtccgcaaa tcagagcatt ctgatccgag caacgacggt 2460
gattatggcc gtctcaggaa cgaggagctg agctcgagcg aaggagaggg gatatgtgtg 2520
gatattgaag tttaa 2535

<210> 17074

<211> 204
<212> DNA
<213> A.fumigatus

<400> 17074
aatatctact cacagactcc aatgacatct agtcttatat cctccgaccc atggaacgtc 60
gcttcctata tcatgatcag tacatgggaa ctcttgcatg tcaccgtgga gattgagttc 120
ctcttctata cttttgagca aatcatgaga ccctttagat ttgtcatgta tgtactccgt 180
agcctctcac gttataagtt ttaa 204

<210> 17075
<211> 192
<212> DNA
<213> A.fumigatus

<400> 17075
tattccagaa gcttgtcaga cacccccggt tgtcgagatt gtcctaccag atcgtccttg 60
ctgccaatct ttttcctttt cgaggctttg cccaaggacc tgcatggtga cacctacggg 120
gctgacatcg actcaagcgg tcaaagcgtc tctgcaggag tcatgaacca ctctgaaact 180
tgcatgatat ga 192

<210> 17076
<211> 216
<212> DNA
<213> A.fumigatus

<400> 17076
gggattctac atgttgtcaa atctggctct gagcgaggcc ctctctcact cctgatcatc 60
aagctccccg caaatctggt tgaattaaac accgtctcca ttggtcccat gctcaccgtt 120
tggtccgact atggggcctc tctaaacacg gaactgcttg caccccaacc ccactaccta 180
cctatcaatg acaacattag cggcaactcc gtttaa 216

<210> 17077
<211> 267
<212> DNA
<213> A.fumigatus

<400> 17077
ctattactgt ctgatacagc gttccgtctt cacttggggt ctctgttgct gtggggcatc 60
aattcactgg agactcaaat gctcaacttg cctcttaagc atcctctact taatcataga 120
cttcctgtca ttcaccttct tgactgttct ctctctctct ccggctcgcc agattatctc 180
ccccgcttgt ctaagccaag gggtatcatt ttggcaatcg gactgtctca gccttcgcac 240
aagagtcaga aaaggggaaa tttctag 267

<210> 17078
<211> 1581
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (649)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17078
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aaaacacttg tctgtggcct tttgatcaag tgtgccgaca tcagtaatgt ggcacggccg 180
tgggatatcg ccgagaaatg gaccaggatt ctacaggaag aatttgccaa tcagggagag 240
atggagcgcg aggtaggcat ggaaactgcg ttgttcggtg gtccaccgga gctgggaaac 300
gtctacaagc tcgccaccgg tcagatcggg ttcatgtcta tctttgctct ccctctcttc 360
gagggcgtgt cggaccttct gcctgagctg cgattcacgg tcgagcacat ccggaccaac 420
cagactcgct ggcactttct ggccgatatg gagaaaagga agcagtcgct gctagacccg 480
cgttttgagg gcggcctttc ccctcgctcg cagagccctg ccgcgagttt caaaggtctg 540
cgtgcaccgt tgaatgagag ttctgccagg tcggcgctgg accctgacga ccctgcgacg 600
cagcgacgcg aagcaaccgg cgactacttt gggacggctg aatcatccnc gaatgattac 660
aatgagaaca ccatcagtcc tgtcgtgtcg ccagacaccc caggcccatc gatggatatc 720
acaggcagtc cgataccggt tcgggccttc tcggaaatcc ttcagtgctt gtccccgacc 780
tcgctacgcc atcggtatcc ggcacgtttc ctgacgccga tggatccgaa gcatgctgga 840
gatttcgaaa ggcagactgg tcggaactcc agacgctctt cggaggacgc ggttctcagt 900
gcggtcatcc ttgccaacac gtccgatgac ccgaatcgcg ccaactcccg tcacagaagt 960
ggtgaatcca ctgaaagaga agcagagcga ccgagcagtt ctcggcaggg accgcagggg 1020
catcgtcgcc accacgctaa cacgaactcg accggacgcg gctcaggtgc accgaactcg 1080
cagcggaaca gttgcacgcg cacccacagc ttgagcacat atagcaatac catgacgccc 1140
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cattcccgcg aacacatcag agacgagcac gacgagtctg acggtgcacg gcccggttca 1260
tcgaaacagt actccgtcgg cgaagggcgt tcggagggtg acacccattt cagcgatacc 1320
aacacctctc attcacacct ggatgatgga agaaagagtc ccatcaccac tttcgtagtg 1380
gggaacgggt ccaacagccc cgcgcattct acaaccacca caccgagtgt caagaatgag 1440
gcgcatccca cttgggatga cccaactgct ggtgagcagc ctccacgcag gttgccgaaa 1500
cggcggagtc gtctacgctt ggcgttctgg aagcgcaaac cgcatcattc gcatcagcat 1560
gagctgagcg gggagacttg a 1581

<210> 17079
<211> 699
<212> DNA
<213> A.fumigatus

<400> 17079
gaatataatc cttcgtctat catatcggta gcggtagcat cactaagcct gacaatcctc 60
acacttttcc gttttctttt cttgactctg ttgttgacta tccccatgct ccttcctcaa 120
ggcccgatct gtatggccca aatccctctg tggatcaacc acattcctca cccgactctt 180
gagcaccttg acctctatcc agcatcagca tctcaattcc cataccagac acagcccgca 240
cacctatcct catctcctcg aaaagaaaag agagtacata cccggaaacc caccatcaac 300
cctccgatcc cagagcacac tctcccgcac ctccgtctca gacaaactag taatactcac 360
gataaacgtg ccccccgtgc acggcacaag agcaacctcg ccaagactgg tcgaaaacgt 420
cgagagaagt tcctgggcga actttttca atccacgtta gcatagcatt agcaataagc 480
atggtacttg cgcttggacc tgtttgtttg gtatcgggga tcgtgtgcat actgaatccg 540
ggtgaaacga gaagaaaggg gggggggggg acatacataa gcggctcgga gcatccattt 600
acattgcgtg cagtatttga ttgtgattcg gggcagggtt gtggttgtcg ttgctgttgt 660
tgtggtcgtg gtgggcgggg gatttgtggt tgtgcttga 699

<210> 17080
<211> 186
<212> DNA
<213> A.fumigatus

<400> 17080
attaacaacg caatccctgc tagtgaaaat ctagtgcagc gaaatgaccg aaccaacgcc 60
ccccatcgaa caacacccac catcctcaag cacaaccaca aatcccccgc ccaccacgac 120
cacaacaaca gcaacgacaa ccacaaccct gccccgaatc acaatcaaat actgcacgca 180
atgtaa 186

<210> 17081
<211> 2778
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (70),(109),(110)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17081
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tcggcaatgg ggtcgtcacc atttggcaag ccttctgctg tcccagcgtt tggcagcccc 180
tcagctctag gtagccgaca acctgccttt ggaacaccat cggctcccag tggcccatca 240
tttggatcac catcccagat taaaccttca ttcggcacgc ctagtgctct ggggcgcgca 300
acgccccaat ttggccagtc gggctttgga gccagtgctg cacccagctt tgggcaaccg 360
tccacaccag gtaaaccgct acctttcggt acgcccagcg cttccgcagg aggagggttt 420
ggctcgtttg cgaatgcagg aggattctcc agctttgcgg catccaaacc ggccacagaa 480
tctccctttg cgaaagccgc tggcgaatct ccttttggaa accctgccac agaatcgcct 540
tttggcaagg tatcaaccga gagtcctttt gcgaagcctt caggtccatc gattttcggc 600
acccaagctc agagcggctc agcctttaca cctcagaagg cggacgaatc taagggtgtc 660
tttggcgcct caggcagctt cgtacttggc tccactttta agggtgatgg cactgctgtc 720
aatgatggcc caaaacctga caaggcatct ggcttatttt cctttggcac gtccctggac 780
gatatgatat ccacacctga taagaccagt ccgccaacag aatcgatgga cgacgccgaa 840
gatcagcctg cagtcaccca atccgcgaaa gcagcagcca aggaggctcc aacatcagtg 900
tttggcgcgc cctctaaatt ggatacctca aaaacgacat cgatattcgg ttctcagacg 960
caacctcagc cagcgacgca agccaacaag tctccctttt ccttgtttgg aaacgtcgct 1020
gcggagaaac aggtaaccag tcccctatct ccgcagtcgg gaaagacaac tatcgctagc 1080
ttaacgccca aagcggagaa catctctatt gccgaaccac ctctccctcc tgaaccaaca 1140
agcagagccg cgtatggccc aggcgatacc tctgcatctt ccaacgtctc taagagctcg 1200
gtcgaagatg tcaaactgga agcaccgctc ccacctgatt tcacgagcgg gatcacaggc 1260
aaagcgggaa agcctgcggc agaggggggct ccgttgcctc cagaaccagc acctcctgag 1320
tcacctgctg catccgacga ggaagctggt ccgctgcccg aagaatcaga cgtggatgag 1380
tctgaaaaag agccgagtga gggggctgat gagtctgact tcgctgatag cggagaggaa 1440
atcacccatg aaattgaaga ggaagaggaa gagccggaaa ttactggcca aacaccgaag 1500
atttcaccgg agagttcatt tggcactggc atctccgaac aaagtcccgc cggaggattg 1560
ttctctcgca tttccaggcc tggacagcag caacgaccac gtcagttgct tggggaggtt 1620
gctaaaccca tgttccaacc gacaactcat gtcgaccgcg aacccccgag atcgcctagt 1680
ccagttcgag gcagcatccc aaaaactctg gtgaagccac aaatccacaa atcgaccagt 1740
gctccgcaaa tcccgggtag cacgcttgct gcccgcaagg ctgctttgac cgaggcagct 1800
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gatgagagac ttcgcgcgga tcttgcccaa ccactcgagc ctgtcccaac acttgacccc 1980
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gtggaggaga agcttgagac ctgccgggaa ttactgagca aagacattct cactcttagg 2340
ggccagtgtg caagcatccg aaagaccctt gacgctcata cagatacggc tgcaatcctt 2400
tccgcacctc tttccgcgga gcaagcgaac ctccagcaag acctccggtc tgcattcaca 2460
aacctacaag cgagtctggc ggacttggaa tctgcagtgt caattttgcg ggctaagatt 2520
gcagaagccc ctcggccaga cagcagccgc cagtcaacga agcgccccac tgtagaagct 2580
gtgacatcta caatcgcaac catgatgaac atggccgaga gcaagagcag cgatattgat 2640

gttctggaaa ttcaattgaa gaagctcggg atcgatacaa caggtcctcc gactagtcgg 2700
gaaggatccc cgtttgccac accgaaaaaa ggggttggca agatttccta cgacgcctgg 2760
ctctcggggg tctattga 2778

<210> 17082
<211> 636
<212> DNA
<213> A.fumigatus

<400> 17082
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tgttcggaga tgccagtgcc aaatgaactc tccggtgaaa tcttcggtgt ttggccagta 120
atttccggct cttcctcttc ctcttcaatt tcatgggtga tttcctctcc gctatcagcg 180
aagtcagact catcagcccc ctcactcggc tctttttcag actcatccac gtctgattct 240
tcgggcagcg gaccagcttc ctcgtcggat gcagcaggtg actcaggagg tgctggttct 300
ggaggcaacg gagccccctc tgccgcaggc tttcccgctt tgcctgtgat cccgctcgtg 360
aaatcaggtg ggagcggtgc ttccagtttg acatcttcga ccgagctctt agagacgttg 420
gaagatgcag aggtatcgcc tgggccatac gcggctctgc ttgttggttc aggagggaga 480
ggtggttcgg caatagagat gttctccgct ttgggcgtta agctagcgat agttgtcttt 540
cccgactgcg gagatagggg actggttacc tgtttctccg cagcgacgtt tccaaacaag 600
gaaaagggag acttgttggc ttgcgtcgct ggctga 636

<210> 17083
<211> 1158
<212> DNA
<213> A.fumigatus

<400> 17083
attattgcgc agctctgtgg agagaaagaa gtccttgccc aagtaaaatt atccttcaag 60
agtacatctg gagcgaagat ggttgctaca cggagcctac aacttacagt gaagaaaacc 120
actagacaac agaaaaccct cgagggacag cttctgatgg tcaaggatgg tgaaaggaca 180
gctatctcat cccgagtagc agagctagac caaatcatgc ctcagtatct tggcgtttcg 240
agagctgtcc tagattccgt cattttctgc caccaggatg agagtctttg gcccatgagc 300
gagccctcgg tgctcaagaa aaaatttgat gagatctttg aggctatgaa atatacgaaa 360
gccatcgaca atatcaaagc cttccggaaa aagcagaatg aggagctggc aaaatacaaa 420
atcatggaac agcatgccaa agaagacaaa gaaaaagctg atcgtgcgga gaaaagatcc 480
atcaagctac aggacgagat tgagtccctc cgcgctgaaa ctcatcagct ctcccaagag 540
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atcctaggga ctctggaagg aaagcgtatc gaggcaaaga gtttacagtc aacaattgac 660
aatctcaaaa ggcaccttgt tgaacttgat gatccggatg agtggctaca atcgaattta 720
gaacagtttg agtccaaaca gctccaatac caacaacaag aggaagctca aaaggagaac 780
tacatggaga tcaaggaccg gattgagcaa gcccgtcaga agttgggagt caaacaagcc 840
gaatacggaa aatacgaaaa tgacaaagcc aacttcgagc gccaggtaga aagaagacag 900
aggatgacaa gggaaattgc tcgcagtcat aacatccgag gctttgacaa tatccaggat 960
caatctgata ttgacgactt catgcgaaag attcggaagc tgttgaagga acaaaatcaa 1020
gcgctggagc gcgttaagcg tgaggcgcaa acggagctac gcgaagtaca gtctactcta 1080
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attggtgcag atgactag 1158

<210> 17084
<211> 1044
<212> DNA
<213> A.fumigatus

<400> 17084
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aaagagcgag aacgcagctt ggaaactatg aaagccgcac atggcgaacg tcttgcaaag 120
tacatcggtg cgaactggaa ccctgccact ctagagcaag agttccagcg cgtcctggaa 180
gaggagacca gaaacgtctc aaatgccgaa agtcaacgtg acggcgtcaa cagggagctg 240
gagcaggtcg aattcaacct caagacctcc aagaagactc tggctcagcg acagaaagag 300
ctcaatagct gcgccacaga aattcgcgaa gccatcaatg aggaacccga agagtatccc 360
gatgcactca aacaacgaca agcgcagctg gatgtcgcta gaagggacgc cgagcaaagt 420
gccggactcg gcgactactt tatgcgttgt cttgagactg ccaagcaggt aaaagcctgt 480
agactgtgcc aacgagcgtt cagggccgac gcagaattca ctgtcttcca gaaacgacta 540
gagggcttgg tgaagaaagc acagattggt gtggaggagg aagatgttga aagatttgaa 600
gccgaactcg acgcagcccg tgcagtaagt acagcttacg atacgtggac tcgcctttcc 660
aaaaccgaga ttccggatct ggagaaagaa gaagaccagt atgctctcca gcgggatgag 720
ctcctgaacc aactggagaa tcatgacaag atcgtcagcg agaagattga aaagaagaga 780
gacgttgagg ctttgtcaaa aaccgtcaat actatcgtgc gatacgagag cgaaattaaa 840
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actctggaag acatccaaga ggagattgcc ggcattggcg acaagactag agctctgaaa 960
aaaaccttgt ccaagctcat aaatgataga gagcaggcac gaactgaaat gaataactta 1020
gaattgcagc tcccgagatg ctag 1044

<210> 17085
<211> 1362
<212> DNA
<213> A.fumigatus

<400> 17085
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aagtcagact tgcttgctcg aattgaggaa tataaaaact tcaacaacca acaacgggaa 120
gccatcacaa aggctgacag agatatcgag gagctgacac cggagttgct gaaataccaa 180
gctcaatacg acgatatcag ccagcgggtc gaggcccgag aaagggagat gcagcaaggc 240
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tacaacgaac ggggtgggcc gagtcagttg gagcgtagta gacgcgagct ccaaacgatc 360
gaggctgaaa ttagccagct tgaagcggaa caggctaata ttacaaaaga aatcaataag 420
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tatcgccagg cgacccgagc actagcagag gtgtccgcag aaattgaaaa cttagctgct 540
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cacaacgcgc ttgctgccaa gcaagcgagc aagatgggag agatgaagtc caaggatgat 660
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gcactcgatg gaccgacaac caatcttgac cgggacaata tccgctctct cgcggagtcc 1140
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<210> 17086
<211> 879
<212> DNA
<213> A.fumigatus

<400> 17086
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gtgggcacca tcgtgctcaa cttcgtggcc ggcttgggct tcttgctgcc gctgaccttt 120

gtcctgcccg atatcacgat gctggtgaac ctggcctcgg ggcagcccac ccccgtgatc 180
ctgaaagatg cgctgggcag ctcgaccgga gccttcctgc tgcttctccc tctgctcatt 240
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gccagattca acctggggat catcggcagt atctgcaacg tggttgctct gggtaagtct 600
ccgccccgct cgcccactcc gcaactcact cctcctgggc aacctactga cgggtctaca 660
gcatggagtc ttctggccat ccctctgttc tgtatgccga cgtacaaggt cgtcaccctg 720
gagaccatga actacgcctg tgtcgtcttc gtcgggttca cgaccatcgc cggactatgg 780
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gaggccgatt tccccgatct gcccgccaag tctgggtaa 879

<210> 17087
<211> 873
<212> DNA
<213> A.fumigatus

<400> 17087
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actgtaggac gcaccacggt caaggtgtgc gcggatgccg gacacgccac cgtccaggtg 120
aaccgaaccg agcagccccc cggcgccatt cccaataccg agatgcgcac agccgatgtg 180
gccatgaact accagcaaac cgtcgaggcc ttccgcggct gcgacgcagt catccacctg 240
gccgcgatcc ccaacccggt cggcaaggac gagtacgccg tgcataacaa caacgtcgac 300
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tcgtcggtca atgcgatcgg tcttgccttt tccaaccgac cgctccactt cgactacttc 420
cctatcgacg aagaagcccc ccagcatccg acggacgcgt acgccctggc gaaacgcgag 480
gcggagatcc aggctcaagc cttcgcggag tggttccccg gaatgaagat cgcgtgcctg 540
cggatccacg aggtgtcctc gctggaacgg gtacaaaagg tccacgcgaa tgactgggag 600
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ttgctggccg tggagaaatg tgataactgg gaggggtgtg aggttttcaa tatcgtggcc 720
ccgacgacta cgcaggatct accgtccgaa aagctggcgc gaaagcacta tcctgacgcg 780
gagatccgag ctgatatgtc gggtaatcag ggattctgga ccacggataa ggcaaagcaa 840
ttgatggggt gggagcatta tgagacggag tag 873

<210> 17088
<211> 207
<212> DNA
<213> A.fumigatus

<400> 17088
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gaggtcttcc acgtcaagct aaacaccttc tctccgcccc gagacaaggc cacctccaca 120
ctcccatcct cactcttcac actctccggg ataacctccc ccttccgctc cagcacaatc 180
ctctccgtcg cctccggcaa cttgtag 207

<210> 17089
<211> 336
<212> DNA
<213> A.fumigatus

<400> 17089
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cccgtcttcg cggagatgga aaagcacgac atggtgctca acctccacgg cgaggtcccc 120
ggctcgcccg gctcgggcat caccgacatg aacgccgagg aaaagttcct gcccacgctg 180

acgatgctca atgagaagtt ccccaagctg cggattatcc tcgagcattg cagcaccgag 240
gcggcgctgg aggctgtccg ctcctgctcc tcgacggttg cgggtacgct tgcttgccct 300
tgcctttgtt atatgcgttg cgggctaacg aactga 336

<210> 17090
<211> 411
<212> DNA
<213> A.fumigatus

<400> 17090
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agcgcccccc acccgcgtct cgcaaagcaa ggcggcgcag agggcacagc caaaccgccg 120
gcgggtgtgt ttacgcagcc ctgtgtcgtg cagtatgtgc ttctggcgct cgaggagggc 180
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agtgggtatg gacgtcggtt ctacaagttg ccggaggcga cggagaggat tgtgctggag 300
cggaaggggg aggttatccc ggagagtgtg aagagtgagg atgggagtgt ggaggtggcc 360
ttgtctcggg gcggagagaa ggtgtttagc ttgacgtgga agacctcgta g 411

<210> 17091
<211> 285
<212> DNA
<213> A.fumigatus

<400> 17091
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tcgccacggg attcacccac ccccagagct gcttcacccc ggcattctcc cagtcattcg 120
cgtggacctt ttgtacccgt tccagcgagg acacctcgtg gatccgcagg cacgcgatct 180
tcattccggg gaaccactcc gcgaaggctt gagcctggat ctccgcctcg cgtttcgcca 240
gggcgtacgc gtccgtcgga tgctgggggg cttcttcgtc gatag 285

<210> 17092
<211> 306
<212> DNA
<213> A.fumigatus

<400> 17092
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atggaatcgg ttgtgccgca gattcgcaac ggaggcgtcg ataccgtttt tgtcatggtt 180
agtgctgctg gtcaactgct gacgctgacg ctgacaccga cgctgacgcg accagcccaa 240
cctggtcccc cccgtcacga gtgttgccca ggcgctggag tacaaggccc agttgcaggc 300
cattga 306

<210> 17093
<211> 192
<212> DNA
<213> A.fumigatus

<400> 17093
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gtcttccgca tctccttcca cgcctcctgt gccccgttcc acacttacac ctctcttagc 120
gcaaaacgaa cggccgctgc ctacagacgc acagagttac gccaaattct ttgctcggcg 180
cgatggtggt ag 192

<210> 17094
<211> 1662

<212> DNA
<213> A.fumigatus

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actcgactgg cacaattgac taagcaagac aagtactacg atgccattgc acggatcaca 180
aacgagctcg agaaactgca ggatcacacc atggtccctg gtctgtggcc gcttaaaatc 240
gatgcttccg gttgtaggac cgccgcctca cagctcaata acgaggtccc tcgcaatggt 300
gtggttgata ctgagccgtc tgccttatcg cctacgcctg tgcatacgcc cgccttctct 360
gcatctccct caatgtcttc cgcatctcct tccacgcctc ctgtgccccg ttccacactt 420
acacctctct tagcgcaaaa cgaacggccg ctgcctacag acgcacagag ttacgccaaa 480
ttctttgctc ggcgcgatgg tggtagctta catatcgacg cggagccggc aaactatgac 540
gccccgaatg aaggcgagaa ttctgcagtt actagtagct ctggtgataa ggcctgcaca 600
ggaggtctca ccgcgtcgct ctacccgaaa cagaagtttg ggctcggggc ccgcggtgat 660
tcaacctatg agtaccttcc caaggagtat atgctcttgg gcggtctcaa cgagcaatac 720
cccgcaatgt acaagaaagc cttgaatgca gcgcgcgaac atctcctctt tcggcccatg 780
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gaacacttct tgctcgtgcc ctgcaaaaag ggcgagccgt gtgtctggaa cgagaccgac 1080
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cgtgattcat ctggaaaatg gcacgtcatt gccgattcgg caaagacgga cgacctgatc 1260
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atatttgtca cccagcgaat catgaacgaa cgcctaccgc caggcgttac tcgcattctg 1380
aaccgtgcgt acctccttcg tccggaggcc atcgagtccg ttttctacat gttccgcata 1440
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acccgcaccg aaatcgcaca ttctgcgatc aacgatgtca cccttgaaaa gtccaagatg 1560
caggacacca tggagtcatt ctggcttgcg gagacactga aatacttcta tctgcttttt 1620
gccgacccga gcgtggtcag tcttgatgac tatgttctgt aa 1662

<210> 17095
<211> 201
<212> DNA
<213> A.fumigatus

<400> 17095
ctggttttca acgagcagtt catgatttca gcgcatgatc ctgtggtcga taaatcgtcg 60
actcccttga ctaacaaggt catcaaggtc ttggctatgc atggaaatct ctacaagacg 120
ttcggcgaga acatcattct cctcatcaac agagaaggta ccaacctccg agattcttgt 180
ttagcaaaac aaattcccta a 201

<210> 17096
<211> 1239
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1219)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17096
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acaaccccta gtacttatga atacttctac accaatgatc ttcatgtcct ggttgacatt 120
cttattcgga atcttctgga cttgcctgaa gaagcatctg ccctacgcca tacctacctc 180
cgcgttctct acccattgct cgctcacacg cagctgaagt atcctcccca ctacaagcgc 240
gaagaactca agaaagtgct caatatcttg ggccggggcc agctatcaag cggtgagggc 300
gacctcgaga gaatattgca ctttgaggaa gtcgacgaaa ccacgaggag actagtcctc 360
cgatgcgcaa cagtcgagtg gttgcgaaac gaggaatctg aatcacatag agagagcgtc 420
gcctcgtttg actccacgac cgatgcagtc cagacggacg cggagtctgg tactcccacc 480
agcatggaag gcagctcccc tggggctcta tcacccaccc ggctttgtgg atcgggctct 540
cctaagccag acgcgcatcg caagccaagc gcggtacagc gtctcggaat gcacgtggag 600
ccagcttcat gctcagctat cagcgtgcag gaagttgcca accagcacga gaaacctggc 660
gtcatcaccc ctagtcgcaa tgacgcccat cccacagtga attcttcaac tacggacacc 720
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agacgcatcg ccgaggagga agacaatgcc gataaaaccc ccgagggcac agcatcagca 840
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cctcctccag ccctgccacc tcctcgacgt tcgagtcacc cggccgtcca ggctcatcct 1020
ctctccggca actgcagccc tctgaatagc agtcctctga acgtcccctc cgtcggcaaa 1080
cacggccaga aacctgaacc gccgaaggca cgtcgttggg cgagaggaag gcacgcacat 1140
ggtgactccg cggacaggtc cgggaaggat atgccgatga atggtgcaat cttgcgcgta 1200
ttagccgaga cgggccggna gagaaccaag caatgcgtt 1239

<210> 17097
<211> 1164
<212> DNA
<213> A.fumigatus

<400> 17097
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cggttgcctg ccatgtttcg agcccgtcgc tatcgagtct ccctggtttt tgcagtcatc 180
tttgtgctga tcttcattca tttctcccga tcccgcgata catctgcgag tactgtgagc 240
atccccgcgc cggtcgatca gcccaagaca taccctcaga gaccaccccc tgctgcgccc 300
gacaacaaaa aacccatcgc acccgaatct ccctcctccc atgagccaac ctccgaatta 360
gtctctactc cggctcagca agttgagaag cccgctgctc ccgactcaaa tcccccgcag 420
gatctagcgt ccggcgcgca tggacaagcg tcatccaaag atgtttcggt tgccggtcag 480
actgcaacat catccagtga caatgcatct gctaagggag acggttcaga agttcccccg 540
taccatttgg actatcacgg ccacgcacgt cttgaggcgg accttccgga aacgaatcga 600
cctactgtgc actggaagca ggtgcaggaa cattatcctc tggcgcctga aaacctcatc 660
aaattgccga cggggaaatc caaggccctt ccgaaagtac aggctgcttt tagagacgag 720
acaacctcag acaagataca gcgggtgcag cggttgtcga ccataaaggc ggcctttgaa 780
catgcctgga atggatacaa gacttccgcg atgggacatg acgagatcaa acctctgcgg 840
ggcgggttca gagacccgtt catgggttgg gcagccacgc ttgtggattc cttggataca 900
ctttggatca tggaccttaa ggacgagttc gccattgccg ttgatcaggt gaagaagatc 960
gacttcacaa ccagcaaaag ggacgagatt cctgtatttg aaacggtcat ccgctatctt 1020
ggaggattgc ttggcgctta tgacatttcc ggtcacaaat acgacgtact cctcgagaaa 1080
gcggttgagc tggcggacat cgtgatgggt gcgtttgata cgcctaatcg catgccgacc 1140
atgttctaca aatggacccc gtaa 1164

<210> 17098
<211> 369
<212> DNA
<213> A.fumigatus

<400> 17098
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cagccagtgc tcaagtcttt gcctctggcg gttcaacaaa agcagatcgt ggtcacttgt 120

aactacgaag ctcgacggcg agggctgcgg aaactgcagc taatcaagga agcgaagcag 180
atctgtccag acgtagtcat tgttttaggt gaagacctca ccagattccg caatgcttcc 240
aaggagctct atctgtttct ccaggatttc gtctggggta agcgagtcga gaagttgggg 300
ttcgatgagg tgggtgtata ccctgcctgt gctttcagga tttggcccca tgctaatgat 360
caatcatag 369

<210> 17099
<211> 1458
<212> DNA
<213> A.fumigatus

<400> 17099
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gcgacagact ttcatggaca cgcctatcaa gctgttcccg acgttgcaac cgacgcggcc 180
tcggagtggc ttcgcactag actgttggtt gcgtcgcatt tggcagctta tcttcgaaac 240
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<210> 17100
<211> 1890
<212> DNA
<213> A.fumigatus

<400> 17100
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gtcgaccacc ttacagattt cgacgtcaca ttcgaacttc cagataaaca ccaaaccata 300
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aaagggcgat ccctgttgag gagagacaat ggtctgtgga ggcctgtggg atgggcacgg 480
gtatacgtcc aacgggacgg ctccaaaccg ctgttcgaag gtgttttcag tatcgacaat 540
gacaaccatc acgttgaact caagtcgact tacttgcaga agaagcgcgt cgaagatgcc 600
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caggtccgca gtgagttgaa gcgttctctg atcagctcgt cgtcctgcca ggccgagaag 720

ctcggcttca acagtgaccc gcagcatccg atcttccgct ctgagtttca agacatggac 780
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aagttcaaga gtggagccgt gtgcgatgat gccaacgaca gctgctgctc gcagtgtcag 1800
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tgtacgggca attcaagcac ctgtcctgcg 1890

<210> 17101
<211> 459
<212> DNA
<213> A.fumigatus

<400> 17101
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ttgtcgtacg ccttcactgg tggtctgagc atctcctgcg cgctcctcgt tgcaccgctg 120
gccacacatc taatccatct cttcggaact cggttcgtcc tcaacctagg cgtcttcttc 180
gaaaccctgt ccctgatcgg atcctccttt gccacgcaga aatggcatat ctttctcagc 240
cagggagtct gtttcggctg gggaatgggt ttcctgttcg ttggcagcgt ggggatcact 300
ccgcagtggt tccaacggcg aataagtctt gcaatgggca tcaacgccgc cggctccgga 360
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gttggacatt cccgggtcct cggtatcctt cgcctgcgt 459

<210> 17102
<211> 1407
<212> DNA
<213> A.fumigatus

<400> 17102
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tatctgaaag acttgcgaac gaaccgacct gtccgcccga gcggatcacg acccattcca 120
tcaagagcaa ccggatcagt tgcaacccct cgtgaggctc tccctcctcg cgcgtcgtcg 180
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gacctggaca gatcgtccca gacgccaaag agcgccggcc gctctcaaaa ccaaagtgat 660
aaaattggtg ggcccatgga taatcatcga tcgacctcag aaagctcttc tgacagccat 720
tttgctgatt ctggtgggat aggtttaggt gtaaagcatg acagacaacc ccagcatggg 780
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gcagccccgg atgggaatgc ggacaaagag caggccgatc aaggcgttcg tacgaagaat 1260
ggccttgaaa ttcgcagcga agagatcagg gcagctacaa gtaagaagct caaagaccga 1320
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<210> 17103
<211> 678
<212> DNA
<213> A.fumigatus

<400> 17103
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caaaatcgat ataccagcgc ccaacatcga ccagcttact cccaaagcta tttcccttcc 180
cagtatcgcg tttcaattgc agcctgcaca tctcaaactt cagtcttatc tatcaattct 240
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agtggccct cgcagacaaa cgctgctgcc tccgcggcct cgtcggcacc atcccagggt 600
ggcgccgcta cctcgatcaa cttctctggc cctctgactg ctgttgccat ggctctcgtg 660
ggatttgccc tgttttaa 678

<210> 17104
<211> 216
<212> DNA
<213> A.fumigatus

<400> 17104
tttatgtctg tctataccct taatttgtct ttcaagaagc tctggcctct tgcctcttgc 60
cttgtttcct ctagatttag atactcttta catcctattc cactggattt cttcgtgatg 120
atagacggta ccgatggttc taccatgtcg ccagttccta tcatccttga agtactaaag 180
taccccttatg gtgcttaccg tggcatagcg ggctaa 216

<210> 17105
<211> 606
<212> DNA
<213> A.fumigatus

<400> 17105
gcggttgtca agctgcctgt tatcttcata gacatcgaga ctaacagtcg ttctgtacga 60
agttccggtg ggcgtacagg aggctcatct cgccctggtt ccacctctag tagcaatcgc 120
attggcggtg cctactacgc tggcggcgcc acatctacat acaaggccgg cacgcgatct 180
cctctgggag tcactccttt ccttttgcca gtcgctgcac tggccatctt ccctggtatc 240
tggctctacg gagcatatgc atacccgtac agtcatcgtt acaactatac aaatgaaact 300
tctcgccaaa acgaatcatt gccggtagtc tgcttgtgtc aagaatactc agattgcggc 360
tgtgacgata acaataacag cacctactat caatcactgt tcaatggcac tcaacctgtg 420
aactcgagta tcgccaaggt tgtcaacgcc aacggaaccg agaccatcta cattaacgga 480
actgtgccga acgcaacgga ctctacgagc tcgtccacct cctcagctcc cgctacagcc 540

cttcttgagg ctagtggata ctgggttatg gtcgctctgg tggctagtat ggtttgggcg 600
ctatga 606

<210> 17106
<211> 363
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (28)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17106
ttgatcccta tgtgggactg gtttgggntt ttccatccgg gcctggggca ccatgtgagc 60
tctcatgagt gggaagaaac tctgccacaa cttttggaga ccaaggtccc gatcattacc 120
actgggtaca cacagtggga catggagagg gatatcaact gggttcgcga gaaatgcgct 180
ggtgaattcg acatacttct tgagccaggc gagaatattt tccgtagttt gcggtgggat 240
ttgaacgacc tggaccctca cgatgtttct tgcggaaatt ggggtctgtg ggcattcaga 300
ggaaagaggt atgtgatgac tgttccaatt tctgaaacat tggctaactt cagtccggct 360
tga 363

<210> 17107
<211> 1989
<212> DNA
<213> A.fumigatus

<400> 17107
agctctttag cagctccatc atcgcttcaa gaaacgttca tcaaaattca tttcggcaat 60
gtatccaaaa accctaaaaa agttccacgg atctcgctgc ggagtaaagc tctattattc 120
gagctagaag atgatgcttt cgagtggaaa ctaggttgca tctatcggac aggtctactt 180
gagcagcgac aacgtttagc gcgagaggag gcgttcgagc tcaaggttca aaagatcagg 240
gagtcaggac agcgacgggc cccatccagg ttgagaacaa ggtccagcca tcggacactt 300
cgcagcgaac ggacaagcca tgacacgaag aggagcaaaa gtgctgatcc gaagccccgc 360
ggccatgcta ccgagacaaa gggtggacga gggaggagat tccggtatga tacggagggc 420
tcggcttgcc tgtctaccga ttccaaaatc tcggaggaaa aggcttggct ccgtctccaa 480
gaacacaatg ctcgatcgtg gaaacagaag attgatgcgg cttttcgctt tcaaggcagc 540
tctatcaagg agattcggaa cctcttctct ggagccgatg agccgcctga tgatgccact 600
gtaaccgaga aaattctcgc cattccaaac aggcctggta tcatgtcagc cttgataact 660
gacctcagtc tagtcataga caaaccgtct ttccctattg aagagttccc gtcgtttctc 720
cataggcttg gaaagggaat ccctctatcc acacaatacg ctttgctcat tccaatgagc 780
ttccacctga acatgggcga gtctcgagtc aacctgagag actacccctt ggacttgttg 840
catatacctg ccttacgacc gggccagtct cccagactct caagttggtc gctacgaacg 900
gatttcgtta tagccgaaga ataccgcgac tacaggtcgt cgagaaaggt acagctcgaa 960
ctcgttccat caaccgaact ttcggatgga accacgagtc ctcccttctt gattgatgtg 1020
tggcgttctg tgtcccctgt caagacttac tccgacccta ccatcgaaat caatactagt 1080
cttccgacaa gcatctcctg gggtatgtca tatcagcctg tgattcagga catgatgaaa 1140
atcatagaag gcttcaccaa gactgagata gatccctctg aaagagttgg gttctgggac 1200
aagatccgat taagtttcca ctcgcgcata cgagttctat ggaaggagga cggtgacgtt 1260
cacctgcgcc ttaaaggctc tagggatcca tatgtggtaa ctggcttcgg aggcggcttc 1320
gtcatgtgct ggaagaaaga cgtaaaatgg gaaattcaca ccagcgacga tccgaaggaa 1380
ttcatgagtg ttacaagtgg ggaatatgtg ctggcgatcc cagactacag taacgaggct 1440
cgatacgcac aagaggccac cgcgcacgac ttggagagca cttcttcttc aagcgacttc 1500
aagaacgcaa cacttttcaa gaaggttgtg atgaaattgt caggcgacgt ccgattagtt 1560
gctggcttgg tctttgaacg taacatagac ggggacaagc ggtcctttga gttcaaaccg 1620
cattacgatg tggtccttcg aaatccggag tttatcgacc cagaggagag aaaggtacat 1680

acaattaata tttcggtgat ttttctgtct aacctttcat cacaggacta cgacgcctat 1740
cgtgggttcc gcagcaacca catccacttg tccatctcag tcgttgcccc tgtgagcagg 1800
aactgggatg tcgatcatgt tcagccctta agcagctaca acgccgttca actgagtccg 1860
cgggtcttca cgcacttttt aacttggtgg gctctaatct tgggtgggat gtcttttcca 1920
agccggcagg ggcctctttg ggcctggttt caccaaaacc agcaggaagt tcattcggca 1980
ccttggtaa 1989

<210> 17108
<211> 2949
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (2768),(2777),(2887)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17108
tcgcgagacg cgatgacgct ctttaatccg acgaccgtcc tcgtgggttt cctcctcctc 60
tacctttcct cgttccttat cttcgccatc gttcgaatcg caacgggagt ttctattcag 120
cgaatcggct atttttccct ccgccgcatt gcctatgttc caagagaagg gatacaagtc 180
gaacttcgtg gcttgggatt atctctacat cctccgtcct tcgcgcaacc gacatggctg 240
agtcttcgct tgacggaact gaaagtgacc gtgaatcctt cggctttggg caaggggcgt 300
aatagcgaca cagcaaaggc ggatgtgcct gagcctcaaa gctcttcgga cgtggcggat 360
acttcgcagg atggagggga gagcagccca gcacgagctc ggcggagcaa gacgtggaag 420
acactcacac ggatgaaaga gcaggtcaag agactacaca gaaagataca ttggctcaaa 480
ttggtggacg tcgttgcagt gaatacaacg atcaacttcc tcgaagctgg ccaattccag 540
ataggatcgc tctcgttggc ggtggacacc aggcggaaga tggtggaccg ggcaaaggtg 600
tttcgccgaa aaaaggatga gtctggtgaa ctatgccctg ccgaatggat catgaacgtg 660
caaaatgtcc ttctcgcggt cgatggcaac gagccggctg aggttctgga tcatgttcag 720
gtcaatatcc acggactcct ccatagtgac cgcgacggac tcagagatac ctctattgca 780
ctgaaaatcg gaagactcca tattccatat gacgaattgg caactgtctc gcaacggatt 840
aagcagttcc ggcggtcgag gaaggatctg gtcgtcaatg acacggacga cgagatatcg 900
tttgccgact ttgtcgagga gttggacaga cccggcagtc gtgacgatgt gattgtgcaa 960
agggtagctg attcgaaaga atttgcaagc tccctgctac gtggcattcg ggaaattcaa 1020
ctggctttga gttttttcag actgtctcgc attgtccagc cgtcttctgc gggacagaaa 1080
tcggtgtact tgaacgtcat atcccatgaa atcggtgttg acctgcatcg catggaccaa 1140
aggagtcccg cacatcgcat gtattttcag cgggacgacg tcgcacatca ggctcttctg 1200
gccgcgatat ctctctcagt aagcttggat gacagctcgg gtgagacgga caacatcgta 1260
tacatcccta tggctactac aacaatcaag actacgcttc cttccaaaac cgttggctct 1320
ttcgataatc ataatgcgga ggagcgcaac acaaatatcc tctttgccaa ttttgtcgtt 1380
acctcgccct ctctcgatct agaaccacac catcttgacc gacttctcgg tctggttcaa 1440
acccgagcat cctcctcgcg tggaaagaag cgcgacaatc atcgactgat ttcgcggctg 1500
ctcccaaaag ccaatattaa gctgtccgtg catgagcctg tcgttcgact cgtcctcccc 1560
atcaataaag aatcagccgg ctctgatgat gactataacc ttctaatctc ctccatctcc 1620
gctatagctc ttgatataga ctcttcgcac tcgtcagaag gtggagtaca ttatcttctc 1680
tcgtcagttt atcgggtagc agatcacaag ctgtactatc agaccccaac aggggtcaag 1740
cacattctgc tgaccacaga gaccctggaa ctcaaggtcc tcctcaacga gtcgccagag 1800
gtgtgcgtga tcgctacggg gacactgaac acatgttccg tccacatggt caatggtgag 1860
gtcaatcgcg gcatccgcca ggtcgttgag cagttgcgag cccagatgca gaacaggagg 1920
agggcctcga tgggacacca agaaaggaaa ccgagcatac taaggcgcat tccgccatgg 1980
ttactcaatt ttcagtttga ggccacgggt ctcagtttag aaatcgctgg agtggacagt 2040
acagtctcaa agctttcccg aggagtttca ctacagctgc aatcatggac tgcagaatac 2100
agagcccaaa aagccgaacc cactcacatc agccttgtac ggcgacgcac cccaagtcac 2160
tccaccatcg gtgacgaatc gccgtttcga tttcctccaa catcgccacc cagacaaatt 2220
caacatggtg ctgcggatgg gagacggctg gcttttcacg cccgtggctt cgaaggcttt 2280

gtgattgaat ctgaagacta cttggagcct gagccgtttt tctcacttcc ccgatttgag 2340
gttgcactga gcacccaaag tgaccgtctt ggtcctatct tccatatcaa ctcggtcctg 2400
aagggtgtct atttgcagta ttcactctat cgctattact gtcttggagt ggcggtgtcg 2460
gttatccagg atgcattcat tcaacaccct acagaagcac caacccagcc accgttcgaa 2520
tggcacccca aggattctgc aagctctccc tctgttccac ggccaccgct ccaaaggagt 2580
gagctcataa cggtcgatat cagagctaca gtcgttcaaa tcaaaacttt cctacctgcc 2640
gaccctccaa tgctgctaca gatatatggc ttggcggcgg ggtctcaccg tctgtcatct 2700
ccctacgtaa aggcgcagct gattcgctta catgccgaag ctcccaagct caagggtgtt 2760
tgggccanaa ttattancat gaataacgtc aaggctgacc tgcgtaagtt caaactaaag 2820
cagggctcta atctatttga agagaagtca ataaacgtct gggccgattt tatccgcata 2880
ggtgtcncac atcacatgat aatgcaccgt gtcttcgaca actgggtcaa cactgctaaa 2940
gctctttag 2949

<210> 17109
<211> 243
<212> DNA
<213> A.fumigatus

<400> 17109
aaaatggtcc cccgaaagcg cagttatgcc agatttacta ccatgaagac tgctaccagc 60
gccaacgaag gcccacattt cgctgtcccc agcgccgatg tagtcgaagc tacaggcgca 120
aagaacacct cactctgcac tctgcaagcc acaatcaatc gccagcaggc gactgtccgt 180
tttgtgataa agtcttctcc acatccctac gagctgctct cgtctgttga tgacgctgat 240
tga 243

<210> 17110
<211> 411
<212> DNA
<213> A.fumigatus

<400> 17110
ttaaaccggg acaacgattt tcgttctaag atcatatctc ccagctcaat ctttgcgaat 60
gcaaacttgt atcgcacaac aatgtcttgt catcaacaca ttcccagaga ccaagatggg 120
atccctggct cgcctctcag caccaaaagc cgtgtcctgg aaggcggcgc cagcatggtt 180
caagatttca cgcctgtcaa acaaatttgc gcccatctga acgcattcca cgtttatgcg 240
tcagatcaga caagagccgt ggaagcgaac cattattgta cacatgttac agaaggtctt 300
gatagctccc ttccttctgc aagagaaaga cagctgatct caaaacgcag atctcaggca 360
gtgtatgata tacgaatcca ccaagccgaa tgcccggttg atcggcgttg a 411

<210> 17111
<211> 549
<212> DNA
<213> A.fumigatus

<400> 17111
cccggcaagg tacagcaagc acaaagtgga gagacgacgt tcatggcagc ggtaaaaagc 60
tctacgcgca aaagggcacc ggtcgggcgc gtgttggcga caaaaagtct ccaattcgac 120
ggaggaggag gtgtcgcttt tggtcctcac cctcgcgact ttgctacaag tcttcccagg 180
aagatctacg accaggcttg gcggatagcc ctgagttacc ggtacaagcg aggccagctg 240
attatcatcg acaacgaaat ttcgattccc gagggtgcca caccgcacct tatcaaggag 300
atcttcaagg tcaactgctg gggccgcgaa tttggacgct caacattaat cacagaccag 360
ctgaatgaag gcttgtttga gacggtacgt gaggtgggag agcacgcaaa gatcctgaac 420
cgcaaggacg tggacgtcaa ggatctcctg gagacaggaa gactggtcat tgaaaagcag 480
gcgctggacc gcattctgtc tcaacattca agggacttgg ttaacaagcc tgccacggct 540
gtgtattaa 549

<210> 17112
<211> 549
<212> DNA
<213> A.fumigatus

<400> 17112
tctcaaaacg cagatctcag gcagtgtatg atatacgaat ccaccaagcc gaatgcccgg 60
ttgatcggcg ttgagtatat gatttcgccg cgcttattcg agaccctccc gtccgaggaa 120
cgcaaactat ggcacacgca tgaattcgag gtcaaaagcg gcatgttgat catgcctgct 180
ccagctggag tgccgaagcc tgcttgggaa gcagcggaaa catcagagat gagggaggtc 240
attctgctgt acggaaagac gtatcatttt tggcaagcgg acaggggcga tccccttccc 300
ttgggcgctc cacagctcat ggctagcttc acatctgaag acaaagtcaa gctcgttcat 360
ccgaagggtc tcgatgggtt acttgcgggg agggacgagg cgtttggggt tgattataag 420
gttaaggcag agaagaggaa agatattgag ccgcccaacc tgagtcctgg taagcatttt 480
ggggcatgtt tgagaagctc tataattgct gacaactgtc acagatgccg acaccatggt 540
gtagaatag 549

<210> 17113
<211> 396
<212> DNA
<213> A.fumigatus

<400> 17113
tccagatatg ctctgaccat accaatggaa cgattattcc gctccgcgct gagaaacgca 60
acccccggcg ccgtcttccg cctcactctc gacggcctgg gcctattctg cgcatgcacg 120
ctggtctggg aacacctgct cacggtgcag ctcagcgaag ggacctcgat gtacccgaca 180
ttcaatccgc ggggcgatta cctgatgata tcgcgggtgc acaagtatgg gcggggaatt 240
gaagtagggg atgtggttcg gttctaccat ccgacgttcc tgggcgtcaa tggtgcgaag 300
agagtgttgg ggatgccggg ggattttgtc tgcagggatc tgccgttcag tacggaggtg 360
ggcacgagtc gggagatgat acaggtaggg gtttga 396

<210> 17114
<211> 222
<212> DNA
<213> A.fumigatus

<400> 17114
atgtcgactg cccccgaact ccccaaagaa ctccccggag acgaacccga cgatgtccta 60
ttcagctccc tttacggtgt acgattgatt gagctcaacc gccccaagaa gctcaattcg 120
ttgaacgggt cgatggcacg gaagattctc cctcgattga aggttagcga ctcggatcct 180
gcagtgtgtg ataatgtctt ggttgctaag ccggtggaat ag 222

<210> 17115
<211> 933
<212> DNA
<213> A.fumigatus

<400> 17115
gaatgggaaa aatcccagct cgcgaacatt gtcatgcttt ccggtgctgg tacaaaagct 60
ctctgcgcgg gaggtgacgt cgcttctttg gctctacaga acgaacaagg cccagaaggg 120
cagcaaaagt cgaccgattt cttcggcctc gaataccgtc tggaccatat tatcgctact 180
tacacaaagc cattcatctc ggtgatggat ggaatcacga tgggcggcgg cgtcggtctc 240
agtgttcatg ccccttccg cattgcgact gagcgtactg tcttcgccat gccggaaacc 300
accatcggat tcttcccgga cgttggtggc tcgttcttcc ttccccgtct cgacggcgag 360
attggcacgt atctggcact cacctcggag cgtctcaacg gcgtgcaggc gctctacgcc 420
ggtattgcga cacactactt ccactccagt gttttgagca atctgacagc tcgtctggca 480

gaactggtct ttagggacca cgcgtcgctt gccgagcgct tggacctggt taacaagacc 540
atggccgagt tttccgtcgg ccttccgccg gtggaacagg agcctatcca acttgccggt 600
agcctgagga gcgccatcga tcgctgcttc aagcacaata ccgtcgagga gatcttcagg 660
gctctcgagc aggagaccgt gcacaaggaa tgggctcaga agacactaga gacccttttct 720
tctcgctcgc ccacatcgct caaggtgact ctgcggcaga tgcgcgtggg caagaaatgg 780
tccatttccg agaccttcca gcgggagtac cagattgcgg ctcagttcat gaaacacccc 840
gactttgttg agggcgtcaa agcccgtctg atgtcgaagc cccctcgcca agctacatgg 900
cagcccgcta ccctggaagg aagtcaccaa tga 933

<210> 17116
<211> 255
<212> DNA
<213> A.fumigatus

<400> 17116
atttcctgcc tgccgctcgt ggtgaaaaat ggtcccccga aagcgcagtt atgccagatt 60
tactaccatg aagactgcta ccagcgccaa cgaaggccca catttcgctg tccccagcgc 120
cgatgtagtc gaagctacag gcgcaaagaa cacctcactc tgcactctgc aagccacaat 180
caatcgccag caggcgactg tccgttttgt gataaagtct tctccacatc cctacgagct 240
gctctcgtct gttga 255

<210> 17117
<211> 612
<212> DNA
<213> A.fumigatus

<400> 17117
aagcgatgcc tggcaacacc tctttcgaga tcaatgacaa cagaggccca gcatacgacc 60
gatttcctca caagagagtc tgtgaccggt ccccggcccg tatgggatac acccgccaaa 120
gccaccacct actcttttcc atcaatggag cccctgcgtg tcgtcgagta tcctcgaaac 180
catcttttaa tgcctctacg aaaagacatt ctccaccgag ctgtcgtcta tgaaggtgac 240
atgacccggc aaggtacagc aagcacaaag tggagagacg acgttcatgg cagcggtaaa 300
aagctctacg cgcaaaaggg caccggtcgg gcgcgtgttg gcgacaaaaa gtctccaatt 360
cgacggagga ggaggtgtcg cttttggtcc tcaccctcgc gactttgcta caagtcttcc 420
caggaagatc tacgaccagg cttggcggat agccctgagt taccggtaca agcgaggcca 480
gctgattatc atcgacaacg aaatttcgat tcccgagggt gccacaccgc accttatcaa 540
ggagatcttc aaggtcaact gctggggccg cgaatttgga cgctcaacat taatcacaga 600
ccagctgaat ga 612

<210> 17118
<211> 411
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (263),(266),(268),(278),(280),(283),(299),(311)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17118
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gatgctgtgg atgccttctt caagcttccc gcggacaagt cccggctcac actcttcaac 120
aagaccgact acaagcagta ccctcacgcc tacggccttc ccagcgaggc ggagattgag 180
aagtttgtcc gtgacagctc agaatccgcc agcaagacag tggccgattt cgtggagaaa 240
tggggtcaca aggaaggggt canaananaa ggttgcanan gtnttggctc gacaaacant 300
gcaaactcca naaggtctgc aatgggagta aattcagaag tgcaaaaatc ccaatggatt 360

aattctatgt tgagcttgtt gcatatgggc tgtttctttc attccccgtg t 411

<210> 17119
<211> 735
<212> DNA
<213> A.fumigatus

<400> 17119
actgcatccc taggcgacat gaccaagcct atttaccgct tcctggccga tcggaagtgg 60
agagagtacc gtcgcaagat cttggtgcag agaattaccc aaatgaaggt cattccggat 120
gttctgcctc actgcgaccc tgttgtggac accaagctct actttggtag acatactatc 180
caacccggag agttcgtcaa ctctagggtc agctcgacgc cccccaagct caatatacag 240
ctatttgagg ctggtgagaa gctcgtgacg attgccgttg tcgacccgga tgtccccaat 300
gtcgagaagg atggattcga ctacaagatg cactaccttg ctgtgaacgt gcctatctcc 360
gctacttcca ccaaggttga tcttgccaac ctgtcagcag attcgcaggt ggttcttccc 420
tggcttcccc cggtcgctca gaagggcagc ccctaccacc gactctccat cttcatcatg 480
gagcaaaagg actcggctcc tttgaacttt tctctggtca agggcatgga gacgagccgt 540
gatgtccttc ttcggacact gcaggccaga tatcacctca aggccattgg ggcgcacctg 600
ttcagaaccc aatgggacga gaacatgctg gaagtcatga gagagattgg cttccctgat 660
gccgacgtag aactgcgccg gaagagagtt gagcctctgc cttataagag gaggaatcct 720
tccaccttcc ggtga 735

<210> 17120
<211> 1386
<212> DNA
<213> A.fumigatus

<400> 17120
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tgtccacttc ttcactcgag cagtgaagtt tctgaagaga aagcgtacgc aagtctgcgt 120
cggagtggct gtacgatgct gactgagaat gcatcggtag caagagatct catctttcgg 180
acgcttgtca aaccgtttga gcacgactat gcgcaaatcc ttaagcgcta ccagatacac 240
cgcaacgaac tgcagatcgt ggcacttgct gcgatggaga ggaatgccag aaaggagcgg 300
gaactggcgg agattgctcg tgacgcggcc gaaaaggaga gagtcgccgc ggaaaatgaa 360
cgtaaagagg cagcagctga gaggcagcgc gccgagcaag cgagagaaga tcttcgcgaa 420
gaaatcaaac ggcaggaagc gcaccggaag gaggcgtcgc gagcacgaaa agaagtccgg 480
gaggagacta agaaccagga ggtccaccgc atggtggttc aggggcaact gaaaggtaag 540
atcagaactc ttgtccgagg caaccctacg gctgatacat ctcatttggt aggcctggaa 600
tcagattcaa tgatgcggtg gttagatccc ccggactatg aaagtatgct gagtcagatg 660
gtcaggcaac gccatgaaga tactgttctc tggattgaga agcatcccaa gtatctctcc 720
tggagacaat atgccaactg ggcgcgtgac attttatgga tctatggcgg tcctggtatg 780
ggaaagacta ttctatcggc gaccatcgtt gaggacctta gacgccttca catcacgcag 840
agtcctcgtc agacaaccaa gcgatacgcc gtctgtttct tcttcttcga ttcgagcaat 900
ttctttgagc agccagaagt ggtaatgctc cgagccctcg tggcacagct gctgcaccaa 960
gtcgacaagc ccgacccccct caaccaaatc taccttgcac gacgctcggc gcatgcgtca 1020
ctgacagagc tcagggaggc attctcgacc ctggtgagcg actgctcggg tgtctatgtt 1080
gttattgatg gactagacga tgcggcgaac gccagcgatg ccctgcagct tttgctcatg 1140
ctcttggtcc aggtttcacc cgtcatgaag ctgctggtca ccagccgtcc tgagcccgat 1200
attcggcgct tcttccattc ccacccgcag tttgagttga cagaggatat cactcaaccg 1260
gatgtgcgac gagtcgtcac gactcgcgtc cagtcagcgt gtgaggacaa gaagatcaga 1320
gtttctgacc ctaaccttcg gcaggagatt gttgacgccc tcgtctcaag tagctccgga 1380
gtgtaa 1386

<210> 17121
<211> 570
<212> DNA

<213> A.fumigatus

<400> 17121
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caaatctacg gccaaccctc ccaagccggc catcctggct tctgggaccg tctcgacaca 120
aacacacata tcccgcagcc aactaatctc cttgaacccg gtcagatcca gctcaccggc 180
ctggcacaac gtactcgaca catcaccggc atcatcgccg cccccgcctc gacctcgacc 240
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tccacgcacc ttcaccaaaa cgccgtgcga gttctccagc gaacaaacga ttacctcgtc 360
atcctcctct tccaggacgg ccccgtccac ttgaagaaca ctaaaacccg cgggagcgcc 420
agcacgaatg acaccgagac cgagaacctc gtaaaaccga ttctaatccc tgtagatgcg 480
aaggagctcg cgtcgcggcc cgtctcgccg ctcaaggcag gcgacgtgga tgatatccac 540
cctctactca cgatatctca ggagagttga 570

<210> 17122
<211> 2511
<212> DNA
<213> A.fumigatus

<400> 17122
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ctgtctgcta gattcctctg ggcgacaatg caggtgaagc acctccagac tcttcgcgtg 120
cagactgatc gaactctacg cgctgctgtc cgcaatctgc ccagtggtgt tgcggatatc 180
tatggccgca tcctagccaa gataaactcc tacgcggagg aagatcgcct gctggccgag 240
gagctccttc gctgggttgt ctgcgccagg cgaccgctga acgtttccga actgtgctgc 300
gcgcttgcaa tcgacatcgg agacgaggaa ctaaacttgg ataacgtccc gactaacacg 360
agtgagatcg tagacgcctg cagccctctc ctctccatcg gggacaaggg gactgtcagc 420
ctagttcact caacggtggc acagtttctt ctggaccctt ccaacaaagc ctctgtccct 480
atgggcaccg accgatactt catcgagcag acagacgctc atactatgct ggcagagaag 540
tgtatatcat atctgtcttt gctttcgttt cgcaatcgta tctccgggac acagacattg 600
gcgaagatca cgcacgagga aatccacgcg tttcctttac tggaatacgc ggctttgact 660
tggtggaagc atgtcgctca ctccgccgtc tcaaaggcct cggcaaagag acttgtggac 720
ttgatgttca acttcgctaa atcaagtcag ggtctgactt ggctcgaggt gtcaatcacc 780
ttgtcgcgct ccctggaaca tttacacacc atatcgatgc aactgcgtgc atggtttcgc 840
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gatctcaccc gcgtctggga ttccatccta agagattccc cctttgaact gaggtctacc 960
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gagggaaacg cattcgatat cttggtcgac gacgaggaag gctatgtcct gcatccgtcg 1140
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acgggacgcc gataccaggg caagactact atccgtgttt tcctctggcg gatgcgagac 1440
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gacacggtca ccagtacaat ccaggttctg ctgacgggaa ctcaggaacg acggtttgac 1980
gaggtgtctt ttaagctccg tggctggcta tcgtggtctc aatgggccgc ccagggacga 2040
tacatgaagt tcatgcccaa gggactggcc cccgttcgac cagacaggca ctgcattcaa 2100
gtttattccg tcttcaactg gctagttggc ggagcctcta gtgagctgta catcgaaccc 2160

gacattgacc atctgctgga ccctcaggag cagcgttggg atctagtgca gcccgcggct 2220
gtcagaagag aactgccgct ctcatccagt gcgacctatc tattctcaga tcggaccatt 2280
cgtctctcgg atagctcgtt tgtgttatcc gtgggcttct cgccggagga tgagcactgc 2340
tgtattctca catccaagca gacagtcctt cttcccagct cgctgcagtc atcgcccctg 2400
acctcggtgc cccctacggc tgacaaacag cagaagacca cataccagac gtatactcgt 2460
ctgtttgacc acaacagaaa acttggttgc tttcaactag cctaccagta a 2511

<210> 17123
<211> 744
<212> DNA
<213> A.fumigatus

<400> 17123
gtcggcccac cctgctcgtt tggcaatcca cttacctgcc gcagtggcac gcaagggcgc 60
tggatggact atctggacta taagacgcac aatattgccc agagcatcac ggcccgtgtg 120
tacatatggg atctctgcgg cactccaagg ctcgtccgtg accagcttct gcaactggat 180
gaggttgaaa tcaacctgct tcggtacgaa cagtatcgcc ggctggatgt ggctttccac 240
ccggccagtg atcgcatggc aatcttcaat gtagtataca acctcgacct gattaccagc 300
agcagcatgg aataccagat ataccatgag acgaacaagt tccatccgga tatcgcagcc 360
ggacgtacga acaacacctg gcaagtatcc ttcagtccgg acggcaggta cattgcgttt 420
gccgtcacgg cgagtacccg aactccagga ctctttggga aacgaggaga aatcaccaat 480
gctgtggttc tgttcgaaac cgacaagccc agtaccccgt tatgctcgca gatatcgagc 540
cacaagggcg atactctcgc catgggctcg tgttctgtta catttcaccc aacggatagg 600
aagctactct ggacatcatc gtttgtgttc accgacgcca cgaccaagac aaccacaaag 660
ctactggact tcagtctcaa gccatacgaa acgaccttta tcacaggtaa gttctctgcc 720
cttcaccagt cgggccctaa ctga 744

<210> 17124
<211> 261
<212> DNA
<213> A.fumigatus

<400> 17124
acgacggcga ctctcagcat cagtatgctc ccgctcgttc aggatggttt gcagattggc 60
attgagagaa tcgagcctac tgcgttcatt ccgcagtacc tcattgtcct cgatcagcct 120
cttctcgata ttcttccaaa ggtccttctc agctttcagg tttgcgttct cacgctgaag 180
gctttcgacg agacccttgg tctcaaccaa atcttcagca gcctgctggg tcctcaggtc 240
ttgtcggttg gcgttctcta g 261

<210> 17125
<211> 732
<212> DNA
<213> A.fumigatus

<400> 17125
acaatggacc ccaggactag ccaggcaaga cctgacacac acctcaaacc cccaaatcca 60
caccaacgcg cctccccctc atcgtcaacc tctccatccc caacaccccg agctcccgtt 120
gccgcccaca atacagctac agtggccgaa tccgtaacat tccaagggac acaccctatc 180
tcggtcggcg cagggacagt cattcatcca cgcgcacgca tctactccta tgacgggccc 240
gtcatcatcg gcgaaggctg catcatcagc gaaaagagca caatcggcat cccgccgagc 300
acaccaactt cactcccgcc cacgccgaaa gaagtggttc caatacggat atcgaatgga 360
gtgacgatcg gtccgctcgt gaccgtcttc ccaggcgcgc atatccactc cttcgttacg 420
gtcgagtcgc tagccatcat taaccggcgt gtgtctctgg gtgcgcattc caaggtctgt 480
tcgggctgtg aggttgcggc gaacacggtg ataaaggatt ggactgtggt ttggggctcg 540
ggggccgggt cctgtcaaag gaggaaacgg gctacgggga agatgagctc gtctgttgtg 600
gctgggcagg acttgtcggc gccggacgcc aaggtggttg aggatgcgcg cttgatagta 660

ttacagaagg agagggaggt agtggccagg ctcattgggt cgtctgcatc cgctgggggc 720
aggaggaaat ga 732

<210> 17126
<211> 4131
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (2562),(2632)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17126
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agagacgtgc ccgactatgc ggagttattg cgcaaggtgc aagcccactt tgacagcttc 180
cgggaggagt ctgcaaccga ccatgccgct ttgaaacagc aagtcaatga attaacacgg 240
aaaaatagtg aattgctgag cgagattagt cgctcaagca gtcagcttgg cgctgccact 300
cagcgagccg agcttttgca gagcaatttc aatatgttga agaatgagaa tgcagagctg 360
cagaaacgct atgctgctct gctagagaac gccaaccgac aagacctgag gacccagcag 420
gctgctgaag atttggttga gaccaagggt ctcgtcgaaa gccttcagcg tgagaacgca 480
aacctgaaag ctgagaagga cctttggaag aatatcgaga agaggctgat cgaggacaat 540
gaggtactgc ggaatgaacg cagtaggctc gattctctca atgccaatct gcaaaccatc 600
ctgaacgagc gggagcatac tgatgctgag agtcgccgtc gtttacaact cagcgtcgaa 660
tctttggagt ccgagttgca gtctacgaaa cgtaagctta attccgaggt tgaagagtca 720
aagaaggctg ctctccgcag ggaatatgag catgagcaga gccagaagcg gatagatgac 780
cttgtggcaa gtttgagctc ggttcgggag gaattggttg ccaccaagac aactcgggat 840
catttgcaga ccagagtgga tgagttgaca gttgagctac ggagtgctga agaacgttta 900
caagtcgtac aatccaggcc aagcatcgca gctgccccgg ccgaggcggc tgcggcggca 960
gaagaaggcg tcccggatac tggtttgacc cgcgaacagg aactaggcat tcaggtttcc 1020
gaactgaagc gtgacttaga attggctaag ggtgaactcg agcacgctaa ggagcaggtc 1080
gaagtttaca agaccattag ccaggagact gaggagcgcc tgcagtcagt caccgagaca 1140
caagaacaat atagggaaga gactgagcgt cttgtggagg agaaggagaa gaaaattcag 1200
gaccttgagg cacggatcga ggagatttca tcggaacttt ctacaacaaa caacgagctt 1260
tctaagcttc gggatgaaca aggtgaagct ggacgccgct tggaggaaca gaaggctgct 1320
ttggaggccg aaattacaag actgaaggaa gaaaacgaac gtcaaattgc ggcggctcag 1380
ttccaccagg atgatcttaa ggcccaggca gaaattgccc agcgcgcgca gcaaaattac 1440
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gtcaatcaat tgaagctgga gctagttgaa tctcgaactc aggccgatac ctacaagaag 1560
gaccttgcac agaaagaaga aagctggagt gaactcaaag aacgctacga aagtgagctt 1620
acagaattac agaagcgtcg tgaagaagtt ctgcatcaaa acaacttgct gcatactcag 1680
cttgaaggca tctccagcca gatcgccgct ctgcagaagg atcgcgccaa tattccggag 1740
agtgagcagg atgaagggac aacagcacca aatctggagg gtcttcagga ggttatcaaa 1800
ttcttgcgac gcgagaagga gatcgtcgat gtgcaatacc acctctccac acaggaggcc 1860
aagcgtctcc gccagcagct cgattacaca cagtctcagc tggatgaggc tcgtctcaag 1920
ctggagcagc aacgccgtgc agctgcggat agtgagcaca ctgctttgag ccataataag 1980
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atcctgcaga aatacgatcg cgttgatccg gccgagatgg aagggctaaa ggagaagctc 2280
gcctctttgg agaaggaacg agacgaggct atttcagcac gcgacacgtt acaggcacaa 2340
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caacttgaac taaatgctgt gatacaggag aaggaggtca tccaggagga gctgaacaca 2520

accaagaacg agctgagtga gctcaagacc aagatggctg anagtccatc cccatcatct 2580
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gaagagaagg aagccctcaa aaaggcgtat gaggagagta cggatgaaaa ggtcaaatct 3180
gccgttgagt tatctgacaa gaagaccctt gtccgtatca gtatgcttga tactcggttg 3240
agaactgcac aggccaaact tgatgtcatc gcgaaggcgg ctgccgagac tccccaaagg 3300
cccgtcgttg aggtatggga ggttgcgaag accacaaagg ctccgcctgt tcaggcacaa 3360
ggagccaagc caacagccac tgcaccatct gcaccgaccg caccgactgc tgctcccgct 3420
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gaaagccaag accaacaagc tgctgctccc gctcccgccc agcaaacgac cgctgctccc 3540
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caacaagaag ccggtcctgc gcaaaagccg gcatcaaatc aacccgcaaa cgcagtggcc 3660
caatctcaga ataaacagca gccctcatca ctgccaagta agcctcctgc tgggggtgtt 3720
ttgagggcgc ttcaatcagg gcttccagtc gctagaggtg gccgaggcgg agcgcgcggc 3780
ggctctcatc aacagaatcc attcggccca cagcctactg atcaacagca accacagcaa 3840
cagcaacagg ctcaaaccca gcaaagccag cgtggcactg gtctccaacg tggccgtggc 3900
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gggcaaaatc cgtccagtcc tggaggacgc ggcggactca atgttcaagc tcgccagttt 4020
gtccctcaag ggagcaagcg ggcaagagaa gacggcggtg aggccggaaa cgaagccggg 4080
gccagtggag ggaagagaat gagaggaggt ggccatgcca ggggctcttg a 4131

<210> 17127
<211> 258
<212> DNA
<213> A.fumigatus

<400> 17127
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catttctcgc accaagaaga tcatttcctc ctgcccccag cggatgcaga cgacccaatg 120
agcctggcca ctacctccct ctccttctgt aatactatca agcgcgcatc ctcaaccacc 180
ttggcgtccg gcgccgacaa gtcctgccca gccacaacag acgagctcat cttccccgta 240
gcccgtttcc tcctttga 258

<210> 17128
<211> 837
<212> DNA
<213> A.fumigatus

<400> 17128
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ttcctcctca ccattgtcgc cgtcagcagt ttcttggtgc tgcttctcta taaaatccta 120
atctccccat acttcctctc acccctttcg aaaatcccca acgcgcattt cacagcacct 180
atctcggact attggattga acgaaagcgg cggtctgggg aggaggtact gaccatctac 240
aaccttcatc gcgagcatgg gcctgtcgtg cgcctgggac ccaatgagct gagcgtcaat 300
tcactcgggg ggctccatgt catctatacc ggtgcattcg agaaacactc tttctaccgc 360
gatacatttg tcaatttcct tacggataat cttgtgggca tgttacccaa cgattctcat 420
gcgcggcaga agcgaatgct gagcaagatt tactccaagt cgtatctgca cgagtcggta 480
gatcttcgca atgcttcctc aattattctt tcgcagaggc ttctccctat gttgaaaaat 540
gctgcggaga aaggcgaggc gatcaatgtc ttgccgctgt tccaagctgt agggatggac 600

tttacgtctg cgtttctgtt tggcacggcc aatagtacga cgtttctttt cgatctcccg 660
ggatggaaaa ggtggctggt ggagtacgaa agattcaaaa ccttgagcgg gaaagagcgg 720
tatttgggct tcattgaaag atggtgcctg tctctctgca gcagagtgca aagcaatgag 780
catcctaacg acgtgccggt ggccacaaac ccggtcgtgt acagttcgct ccgctag 837

<210> 17129
<211> 630
<212> DNA
<213> A.fumigatus

<400> 17129
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gatcatctcg ttgctggaca cgagacctcg ggaatcactt tcgtatatat gatgtgggag 120
ctctcgaagc ggcctcggct ccaagctgaa cttcggcaag agctgctcac cttatcgcca 180
tctttgagat atccattggt ggagttgggt gatggcagcc ttccccttct accatcaccg 240
gccgctatcg actctctccc tcttctagat gccgttgtca gagaaacgct gagagtgcac 300
tcgcccgcgc ctgctccgtt accgagaatc acccccctcgt catcagaagg tatagcaatt 360
gaaggatacg atcgcatccc cggtggagtc aaggttagtt cgtcctccta tactctgcac 420
cgaatcagcg aggtctaccc tcagcctttc gagtggctgc cagagcgctg gctagaccca 480
ggaccgggaa aaattcacga catgcggaga ctcttttggc cgtttggaag tggagggaga 540
atgtgtctgg gtagtaattt tgctttgcaa ggtacggcgc ccttccgctc tctccctttc 600
ctcgcagcat actcagagag tgcaagctga 630

<210> 17130
<211> 195
<212> DNA
<213> A.fumigatus

<400> 17130
aaagtggctc cagttcgcct tcgccagatt ctacaccagg ctttgttcaa gcgcgtcaac 60
gagatcatcg atcgcgcaac atgcgactgc aaagagcaaa ccatctttgg ttgtctaaag 120
gaactgcgac gcattaacgt ctcgccgctg gacctgagca gcagtaaagc aagtgttgct 180
caaatgcttg actga 195

<210> 17131
<211> 375
<212> DNA
<213> A.fumigatus

<400> 17131
agacatggca ccatatttat gcaagacagt ggccatattc tcttcgacaa tctgggatgc 60
ggcacgaagc gccgccaaat gctggatgag cagatcaaaa ccggcgagcg gtcattccgt 120
gatgtgtctg aggagatgtg gggatctcta cgagtcccct ttgaagacgg gtttgaagtt 180
atggaaaagg aactcgagat cgatcctgga ttccaggagt ttcacgagtt ctgcattgcc 240
aacggcatcg atttcaatgt gatcagcgca ggactgaagc ccatcttgcg cagagtgctg 300
gagacgtttt tgggagagca gacagtaagc catagccctc tatccgctgc ctggatgatg 360
tcgttgatcg attag 375

<210> 17132
<211> 312
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (308)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17132
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gttgcaaatg acgccgatat caaatcggac ggatcggaat ggaaaccgat ctggagacat 120
gacaccgagc tgggccatga caaggccctt tcggtccagg aaggtcgcgc cgaggctgcc 180
aagtactgca ttgatggcca aattcccctg atcgttttca ttggcgacgg tgtgtccgat 240
cttcctgctg cccgtgaagc cgatgttctc ttcgcgcgca agggccttcc cctcgaagag 300
tattggcnat ga 312

<210> 17133
<211> 1422
<212> DNA
<213> A.fumigatus

<400> 17133
ttccccaact attcgccgat ctgcggcccc ttggtaaaga ccctttcgag gccagaactt 60
gatgcctact ttcctcctcc cttgactaga ttctgttcgc caatggtgac ggatcagtca 120
atcaagctct cctataatga cacgactgct gacatgtatt cctatgctaa tcacaattgt 180
ggtcccctga attggccctc aaccaccaag ctccatgaga tcacctggta tgagaatacg 240
ttcctcccaa agatccgtga atacttcaag ggagatcttg tctggacaag aggaaccgtt 300
gcgaaacagg ccgacgatag ccagcgatac tgggtcattg tgaacaaaaa catatatgac 360
ctgacagatt acttttacac gttggatagg atgaataacc aagataccta caacttccta 420
ccaaaaagtg tcacggatct tttcaagaat tatccgggca ctgacgtgac cgacaaatgg 480
ggagattctg aggacttcaa gaagtctcag atatgtctcg actatgtgtt ctacaaaggg 540
aaagtggatt tccgtgatac cccccggtgt actgtcaata actggattct gcttgccttc 600
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<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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<213> A.fumigatus

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<210> 17143
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<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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gatacttcgg actcgtctgc aggcgatcgc gccagtgctg gaccaatggg aattctagat 420
ctcttgcaac agattgttca cgagcctgca cccaagctgc cgaagagcga tgctttcccg 480
cctatcttgc atgaatttgt cgccaagtgt ctcctcaaga aacctgaaga acgaccaact 540
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<210> 17146
<211> 240
<212> DNA
<213> A.fumigatus

<400> 17146
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gaagcgaggg acattgttct atgtatggaa tacatggact gcgggtatgt atcccataag 180
gagtcatcca agccgggcaa tgcaattttc tctcggacac tgactccagc ggatatatag 240

<210> 17147
<211> 507
<212> DNA
<213> A.fumigatus

<400> 17147
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atcatcgaaa agcaatcatt ggacttcgca tcagcggaaa agcccgtaat gcggcaggaa 180
ggtcacttcg acaccagctc tggaccagcc agcggactgg gccctggcgg tgcaggcgcc 240
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<210> 17148
<211> 243
<212> DNA
<213> A.fumigatus

<400> 17148
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aaggagttcc ggtgttccct ttacagctat ggtgttagat gggctttcgg ttttctactc 180
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tga 243

<210> 17149
<211> 291
<212> DNA
<213> A.fumigatus

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tatctcagga cgatcgttgc cgaacctctc gtcaagacta tcctcggtat gtcggatgtg 180
cctcagcgca gtctgaaata cgacagtgcg ccgacgaccg acaacctctt tttcctgtgg 240
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<210> 17150
<211> 186
<212> DNA
<213> A.fumigatus

<400> 17150
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aaggcaatct atccatctca taaactcctt ttaacgcctt ttaggcctaa gagtctgacg 180
gactaa 186

<210> 17151
<211> 510
<212> DNA
<213> A.fumigatus

<400> 17151
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gacatcctat accgcctcga acctactgtg aatatggaac ccgtggttaa ctaccaattc 120
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<210> 17152
<211> 2304
<212> DNA
<213> A.fumigatus

<400> 17152
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gcttatgcta ctacttcgtc gcctgcggct ctcaatggcg acgctgaatc cagtttaaat 180
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<210> 17153
<211> 1422
<212> DNA
<213> A.fumigatus

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gacccatggg cccaggagag tgtagggccg ttcgtttcac aggatagacg ttctttcacc 240
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gaaagaagac gacgtcaaaa gagcaagatc acgaagcctt tatcagacct tggagtctac 360
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<210> 17154
<211> 792
<212> DNA
<213> A.fumigatus

<400> 17154
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agcagttcac cggacatgga acagcgagct ctagcctatt tcgattatct cacccggttt 180
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ctgccggact tgtgtcccgt tactcgtcaa actttacgct ggtcccctcc gttcaatggc 660
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gctattggaa cggttgatgg ggtggagagg ggattcgatg ttgccacgtt ggacattgag 780
gaagagaaat ga 792

<210> 17155
<211> 201
<212> DNA
<213> A.fumigatus

<400> 17155
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gccattcacc aagcagttca agctctctgg gcgggaacct ctcgaatggc tgttgccgct 120
ggaacataca tgtggacgca tggtgcagca atggtccgac ggtactgtac ttgcctcccg 180
gagaggctca gcatcagttg a 201

<210> 17156
<211> 387
<212> DNA
<213> A.fumigatus

<400> 17156
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ggccctggta gtggcatggt catccatcgc ggagaaggca aattcttctt gatcgggtgg 120
gggtttcagg tccgcgcaac ctccttgtct ctgactgctg cgtatacagg gatcttccgc 180
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aatggagacg aaacccgcag cggccagttc gctatcatgc ccaacgaaga cccagactac 300
ggtggattcc ctatcgcaat cactatccct gcaaagacaa tgattgccga attggaggtt 360
tacgcgttgg atgaaagcga cgtctga 387

<210> 17157
<211> 960
<212> DNA
<213> A.fumigatus

<400> 17157
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ccccggatga aattgcgaaa agcaggaggg gtcctacaga ccaccgagat cctgtcaata 180
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aaggactttg accaaaatca ctcaacggtc atcatggttc aggtcgagaa cgaaactggc 300
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caggtcgccg cagccggccg agaagagtac ccgcttccct tgtatacaaa cgcgtggcaa 600
aactatgctg gagaagacat tgataataac ttgctgggta tcgttggtgg cggtggtatg 660
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gcgccatctt tggacttttt cactcccgat atctatctga atgattatga aagctgctgc 780
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<210> 17158
<211> 501
<212> DNA
<213> A.fumigatus

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accgtctaca tgcggcgggt caacatctcc gtctacgacg cccagtttga cgatgacagc 180
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gccagcagct tctccgacat tgaaggactg gccatcgatc tgggggggagg gagcatgcag 480
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<210> 17159
<211> 213
<212> DNA
<213> A.fumigatus

<400> 17159
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gccctattat ttaaaggaat aagcatatgc tag 213

<210> 17160
<211> 2040
<212> DNA
<213> A.fumigatus

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<210> 17161
<211> 396
<212> DNA
<213> A.fumigatus

<400> 17161
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cggatcgagc tgatcaccgc gtcgcctctc cgacggacca tctacactgc ataccagagc 180
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gagaccagcg acgttccttg cgacacgggg agtgacccgg aggttctgcg gaaggagatg 300
gaggagcagg gaattcctgt ggatatgagc ttagtgcagg aaggatggaa cagcaaggtt 360
tgtttccttc gtttcgggag ggagagggga ggctga 396

<210> 17162
<211> 444
<212> DNA
<213> A.fumigatus

<400> 17162
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cttgcaacac tcgaacaata cccattatgt gctcagagac aaaagtacaa agctcgccga 180
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atcagccagt ggccttctcg catcatctca gagacggact tggtcagctt tactctacta 360
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caggatcctc atacctatga ttaa 444

<210> 17163
<211> 270
<212> DNA
<213> A.fumigatus

<400> 17163
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gcggcacggc gctggctgaa ggagaggccg gagaaggaga tcgttgtcgt cacgcacggt 180
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cgttttgtca ttttttaca atcgatgtga 270

<210> 17164
<211> 195
<212> DNA
<213> A.fumigatus

<400> 17164
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acgcacacac tctag 195

<210> 17165
<211> 2574
<212> DNA
<213> A.fumigatus

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<210> 17166
<211> 933
<212> DNA
<213> A.fumigatus

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<210> 17167
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<212> DNA
<213> A.fumigatus

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acaatggtga gtgaatga 438

<210> 17168
<211> 2787
<212> DNA
<213> A.fumigatus

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cagccgacgg cgctggaagc tcgccatttc gctgctgcct acgccttgtt tcgagtctgc 180
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<210> 17169
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<212> DNA
<213> A.fumigatus

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gaaccaaagc acagggctac tggcagaccc agtcctggtg ctccgccaac ttcctctcgc    180
accagaccct ccgcgacatt tcgtccaacc gagcccagtt catcagttct ctcaaggacg    240
ccggcatcct cccagtcgac tactcagact ccgaacccag ttccgcctgg aaccgcaaca    300
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<211> 489
<212> DNA
<213> A.fumigatus

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cgccggcatc ctcccagtcg actactcaga ctccgaaccc agttccgcct ggaaccgcaa 180
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ccagatctcc ttcccggaca agaaattcgc cagctccgtg acaggcaccg tcgaaatcga 300
cccggacgcc cgaacaatca agtacttcaa ccaggaaaac ggccgtgtct tcatccaccc 360
aagctccctc ctcttctccg cgcagagcta ctccggtgcc gccgcgtacc tcagctactt 420
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ccatcccca 489

<210> 17171
<211> 1017
<212> DNA
<213> A.fumigatus

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<210> 17172
<211> 378
<212> DNA
<213> A.fumigatus

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<210> 17173
<211> 750

<212> DNA
<213> A.fumigatus

<400> 17173
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ccctcaaaaa cggacatcaa gaacaggttt ggcgcgcggg acggtctggg cgcttacatc 120
gaaaagccag agtcataccc gtccagcgtc gtggtacact acgacgatga ttttgttgta 180
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<211> 462
<212> DNA
<213> A.fumigatus

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ggttcgttga cgccctggga tgcgttcaga aggctgactt aa 462

<210> 17175
<211> 453
<212> DNA
<213> A.fumigatus

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<210> 17176
<211> 657
<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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<210> 17178
<211> 309
<212> DNA
<213> A.fumigatus

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tcgaaatag 309

<210> 17179
<211> 204
<212> DNA
<213> A.fumigatus

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<210> 17180
<211> 204
<212> DNA
<213> A.fumigatus

<400> 17180

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<210> 17181
<211> 510
<212> DNA
<213> A.fumigatus

<400> 17181
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<211> 204
<212> DNA
<213> A.fumigatus

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ttgtccaagg tcaaggcagt tctccaatgc tatatcacgc gctctcgtaa tattttcctt 180
atagctgtca ctgtttacct gtga 204

<210> 17183
<211> 309
<212> DNA
<213> A.fumigatus

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atatccccac gaatgtacca aggattcctc ctggaagatc acatcaatca tcctcatatg 180
gcaagaaaga tggcccctaa tctagctctg tcgaccctgg agtttatcca tgatatgatt 240
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<210> 17184
<211> 228
<212> DNA
<213> A.fumigatus

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ttaaatctaa ttaaggagct cttctctaaa ttaaaagcct ttataagacg gcattggcaa 180
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<211> 378
<212> DNA
<213> A.fumigatus

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agcatggagc agttgtag 378

<210> 17186
<211> 1380
<212> DNA
<213> A.fumigatus

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<210> 17187
<211> 237
<212> DNA
<213> A.fumigatus

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ggttacttga aaatcatttc aggaaagcac cgctcctccg gtaccaccaa taccatgtat 180
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<210> 17188

<211> 315
<212> DNA
<213> A.fumigatus

<400> 17188
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ggacggattt ggtccatggg ggtgtggagg agggcttcgc cgaggttgcg gagaggaccc 180
attgcggcgt ctttggcgag ggcggtgatg tcggagccgg agaagcctgt gattgttgat 240
gatcacgtga gtattgtaga taaggaaata gagtggggaa taatgatgat gatagaatta 300
ccctctgtga catga 315

<210> 17189
<211> 549
<212> DNA
<213> A.fumigatus

<400> 17189
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tcctctccgc aacctcggcg aagccctcct ccacaccccc atggaccaaa tccgtcccat 180
ccgcttccac gacttcgaag ccagtctcaa atccatcagg cccagcgtca gtcgcgacgg 240
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cggtcttact cgggtggtct acatgtcatg ctatatggtt ggttgttcgg ctggttcgat 480
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ctttcctga 549

<210> 17190
<211> 840
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1)
<223> Identity of nucleotide sequences at the above locations are unknown.

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<210> 17191

<211> 237
<212> DNA
<213> A.fumigatus

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cccatccgct tccacgactt cgaagccagt ctcaaatcca tcaggcccag cgtcagtcgc 180
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<210> 17192
<211> 621
<212> DNA
<213> A.fumigatus

<400> 17192
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agcgattggg cattgctctc ttccagctcc cgcttccgca gttcctcttc ttccttgctc 180
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ggaactcgcg cagtgtcttg a 621

<210> 17193
<211> 282
<212> DNA
<213> A.fumigatus

<400> 17193
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aggccggtcc tcgtcggttg ccgtctctac aggatcgaac agcccgatgg aatgtcctac 180
tccccggtcg cacagaagta ccgcgggatt attaggcaca tctcagcctt ctcgtcgggg 240
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<210> 17194
<211> 4200
<212> DNA
<213> A.fumigatus

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<211> 195
<212> DNA
<213> A.fumigatus

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gtacttcagt attga 195

<210> 17196
<211> 411
<212> DNA
<213> A.fumigatus

<400> 17196
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<210> 17197
<211> 678
<212> DNA
<213> A.fumigatus

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<210> 17198
<211> 1596
<212> DNA
<213> A.fumigatus

<400> 17198
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atgttcttga ccgagcccat cgtcctgtct ctgtctttgt tgagtggctt cagcgacgct 1020
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attgaactcg gtttgtcgtt tttacccatc ctcgtagggt attttatcgc atggatatct 1140
tttatcccag ccatcaaacg aaacatcata gagcgacgag ctaagcctca ggacgaacgg 1200
gctcaatacg agtctcgcct atggtggctg ctttacacag ctccttgcct gcccatcggg 1260
ctgattggtt tcgcttggac cagccagggt cctcccgttc actggattgg caccatgatt 1320
ttctcagcca ttgtcggcat tgccaactac agcatttaca tggcgacgat tgactacatg 1380
gtctgcgcct atggtcctta ctctgcttcg gcaaccggtg gaaatggctg gtctcgagac 1440
ttcttggctg gtgttcttac cattcctgct acacctttct tcgagagtga gttatcctct 1500
tcactgatcc gccttatcgt cacagcagct gacacaggac tccacagaca ttggcggcaa 1560
gcgtcatctc gagtacgcat ctacgatttt gtgtaa 1596

<210> 17199
<211> 522
<212> DNA
<213> A.fumigatus

<400> 17199
aaaacttaca acagtcatgg tcggatgatg cttctttgtc gcgctctgcg acgcaaccac 60
attcaaaaag ctctgcacca accaatcagc ctccctagat ctctcgcgaa gaacaacagt 120
caggacaaaa cccaccacag ccttaaaata agaccgaaaa taaaacgtct ttttgattcc 180
cattctctcc ccgtccaaca cccacccgtt ctcaagcaag cgttccaatc ccccctgaac 240
ctgttctgca tcctcaccct gcgagatctg cacctgcggc ttctccggct cctgcccctg 300
ctccagctcc tgttcctgcg ccttctctgg ctcctgttcc tgctcctgtt cttgcgcctt 360
ctcctgctct tgctcctgct ccccagaagc accagtagta gtcgagtaac ccacacccgc 420
acccgccatc acaggtgtaa gcaacccccc ccctcacgg agcgcaccgc cgcggagcgg 480
agagaccgtc gtgcggggag aactccgcgc ccgaacggat ga 522

<210> 17200
<211> 198
<212> DNA
<213> A.fumigatus

<400> 17200
tacccccctc tcataacaga gtgtttacta actatatgta tgagtccctc cgcattaaac 60
ctgtatccca ataccttgat ttctactcat tcgtccatcc ccccgttcaa ccatggtcaa 120
gtccctccag tggattacgt cgacataagg cttactgcct acagatcgct tgaaagcttt 180
gatagaaaaa aaacatga 198

<210> 17201
<211> 702

<212> DNA
<213> A.fumigatus

<400> 17201
ccatattcag ggaccctcgt taattctgca aagtgtcttt tacactctga tgaccccagg 60
cctcatggcg gcagtctggg aggctgtgcg acactggtat acatcacttt cggcacacaa 120
aattctaaag aattctgtac tgacgataaa cagggcctcc tggcaagaac gccagatcct 180
cgaccgcgac ccctacgcct tcacaaagcg cagcagtcga cgccgccagg aatccctcct 240
tcctatcctt ttctacgtct tcgccatagc cagcttcttc ctgaccatcc gccgcagctg 300
gacaggcatc gagctgcagc gcagcccaga actcaccgcg ctgcgcgccc agcctctcgc 360
cacagacctc cgcttcaaga tcgcaggctt catgtccctg gcgggcatgc tagtcatctg 420
ctacagcctc gagcacagca tctaccggta ccgcgcagcg cccaccagcc ccatcgccca 480
agcaaccttc tacctcagcg ccagcccgcc ggaatttctc ctcgccctca tcctcctcgg 540
tctcaaaacc ggctacgcca tcgccgccgc cttcgactgg tccgtttccc cgctgcgcgt 600
ggcagtcagc cagggcttgc tctacggcct cggcgtcgct cccgccctgc ttatcatcgt 660
gctcttcaac gcagtcggct tctgcgagct caacgaggat aa 702

<210> 17202
<211> 1536
<212> DNA
<213> A.fumigatus

<400> 17202
gagagaaagg aggcccatcc gagcatcatg actatccttc acattcgagc agcgactcca 60
tatgagccgg gagacaacgc gacggacgta atcgtcaacg aagtccatct gaaccggaca 120
acgttggact tgtacaatta cacgctatac agcaacggca cgctctccaa tggcacagac 180
tgctatctgg cgttccaaga gtttcagcct cgcatggatg agaacggcac ctttgtcaat 240
ggtatctcct gctacgcgcc catccacggc ataggccgac atgcttcgat cgggatggcc 300
ttcaccgcgt tctttgcagt ctccatgttc ctcaccatgt tcaatctgca aaaacacgga 360
cgcaagtatc tacctggtcg cacgatgggc cgtcgactca agtggctgtg gctattgttt 420
gtcgctgctt gcggactggt cagctgcatc atgaccgtgg acgtagaccg tagccatatt 480
cagggaccct cgttaattct gcaaagtgtc ttttacactc tgatgacccc aggcctcatg 540
gcggcagtct gggaggctgt gcgacactgg tatacatcac tttcggcaca caaaattcta 600
aagaattctg tactgacgat aaacagggcc tcctggcaag aacgccagat cctcgaccgc 660
gacccctacg ccttcacaaa gcgcagcagt cgacgccgcc aggaatccct ccttcctatc 720
cttttctacg tcttcgccat agccagcttc ttcctgacca tccgccgcag ctggacaggc 780
atcgagctgc agcgcagccc agaactcacc gcgctgcgcg cccagcctct cgccacagac 840
ctccgcttca agatcgcagg cttcatgtcc ctggcgggca tgctagtcat ctgctacagc 900
ctcgagcaca gcatctaccg gtaccgcgca gcgcccacca gccccatcgc ccaagcaacc 960
ttctacctca gcgccagccc gccggaattt ctcctcgccc tcatcctcct cggtctcaaa 1020
accggctacg ccatcgccgc cgccttcgac tggtccgttt ccccgctgcg cgtggcagtc 1080
agccagggct tgctctacgg cctcggcgtc gctcccgccc tgcttatcat cgtgctcttc 1140
aacgcagtcg gcttctgcga gctcaacgag gataaggccc tcatcgtcca gcgcggggag 1200
ctcgactccg cgctcgccac cgatgccgat ctcctcggtc gcaagcgctg gtgggaatcg 1260
cgctggctgc atggcggcga tcgcaaccgc aaccgcgacc gtgaccgcga tcgctcctcg 1320
tctcgtgagc agctggatcg ctacgtcgag atggggattc tcgctccgca tgggaagggc 1380
gacggcgagg acaaagatgg ctctgcgggg gcggcaggag ccgaagcagc gccgagagtc 1440
acgacgcgga cggcgagtga cgcctctagc tcgtcggaaa gtggtttcgt gactgttact 1500
gtcgcttcgc cgggacaaca gcgggcggat cgatga 1536

<210> 17203
<211> 213
<212> DNA
<213> A.fumigatus

<400> 17203

cgcgggaaat ctcttccaat cacatacagt aatggccctt acgaagtatt gttgggttat 60
gacaatccta ttgcaaactt gtgctacaaa gtacactttg ctcgttccaa aatggctcgc 120
aagttcacaa tcaaaatagc ccagttaatt tacaagtgcc gaggaggcgt cgaccttgcg 180
caaagccatc gtcattgtca tcgtccatgc tga 213

<210> 17204
<211> 237
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (57),(76),(151)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17204
tctcatgcac cccatcatct ctttgcgggg ttggcctcac cgagatcttc cggtctngca 60
tttggtcaat tcgtantttt gatgggtttc aaattgaaga tcgcttccca aaagcctctt 120
ggttctgaca aacgcactgc gctgttctgt naaaagagcc agaaagcttc tcggattgct 180
caatgcagaa gggctggtgc ctcatccttc cattcaggcg catgcgttcc atggtga 237

<210> 17205
<211> 606
<212> DNA
<213> A.fumigatus

<400> 17205
tcatctgcta cagcctcgag cacagcatct accggtaccg cgcagcgccc accagcccca 60
tcgcccaagc aaccttctac ctcagcgcca gcccgccgga atttctcctc gccctcatcc 120
tcctcggtct caaaaccggc tacgccatcg ccgccgcctt cgactggtcc gtttccccgc 180
tgcgcgtggc agtcagccag ggcttgctct acggcctcgg cgtcgctccc gccctgctta 240
tcatcgtgct cttcaacgca gtcggcttct gcgagctcaa cgaggataag gccctcatcg 300
tccagcgcgg ggagctcgac tccgcgctcg ccaccgatgc cgatctcctc ggtcgcaagc 360
gctggtggga atcgcgctgg ctgcatggcg gcgatcgcaa ccgcaaccgc gaccgtgacc 420
gcgatcgctc ctcgtctcgt gagcagctgg atcgctacgt cgagatgggg attctcgctc 480
cgcatgggaa gggcgacggc gaggacaaag atggctctgc gggggcggca ggagccgaag 540
cagcgccgag agtcacgacg cggacggcga gtgacgcctc tagctcgtcg gaaagtggtt 600
tcgtga 606

<210> 17206
<211> 228
<212> DNA
<213> A.fumigatus

<400> 17206
atatggctac ggtctacgtc cacggtcatg atgcagctga ccagtccgca agcagcgaca 60
aacaatagcc acagccactt gagtcgacgg cccatcgtgc gaccaggtag atacttgcgt 120
ccgtgttttt gcagattgaa catggtgagg aacatggaga ctgcaaagaa cgcggtgaag 180
gccatcccga tcgaagcatg tcggcctatg ccgtggatgg gcgcgtag 228

<210> 17207
<211> 222
<212> DNA
<213> A.fumigatus

<220>

<221> unsure
<222> (83)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17207
gggccattac tgtatgtgat tggaagagat ttcccgcgct atggtaaatc tcgggcttgc 60
ctgaacgggg tattccgctc acntgacaca accatttcta gctcgtacaa gctggggaca 120
cactgggagt ctgtcactct ttgtacatca agagagggaa acatggagca cttcatacgg 180
tatcgattct ttgtatctgg cacactagga acagatatct aa 222

<210> 17208
<211> 561
<212> DNA
<213> A.fumigatus

<400> 17208
attatcggcg cccccgcctt cttcccaacc gtctggggct ggatcaagcg ctggttcgat 60
ccagtcacga cctccaagat cttcatctta tccgccgcag aggtaaaacc caccctcacc 120
tccttcatgg acccctccag catccccaag caatatggcg gcgaactcga ctggcagtgg 180
ggtgatatgc cgaacctcga cgagcccgca cgcgaactgg tcggcgcgct ggagatccct 240
cctgccgaag gcgagaccaa gccttctttc accaaggggc ccgtcctgtt caagggcgac 300
cacgtcgaaa tcctcggcaa ggtcaacggc aagagcagac aaaggactgt tcctgtgcct 360
atgcctgcca agcaagaaga gaacacgaac acaccggatg tagaactgga ggccaagatg 420
gctgctacga gcctagcgcc agccgcatct tcaacagagc aatctgaggt tcagtcggag 480
aatgaaaacg aaaaggtggc gttggacaac gttgccgcgg agaaggttgc taacccgact 540
gctcagacgg tatctgctta g 561

<210> 17209
<211> 1266
<212> DNA
<213> A.fumigatus

<400> 17209
agaaaagagg tgcatgagat caaggtcaag ggcagcgatg tacgtcatcc cgcaatgcac 60
tgtgatctat tttcaatgga tgctgacggc cagcaggtta taccatcggt acaatatgca 120
gacattgtgt ccggcagagt ctcggataga gccactggtg agatattgca ccgcggatct 180
gtcgtgatcc gaaatgtgat ccctcgaaaa gaagctcgag gttggaaaaa cagggttgaa 240
gagtatgtcg ctgcgaataa ggagcgagtc aaggcctttc cgcctgattc acccgctgtc 300
ttcgaactgt actggactcc ctcgcaggcc gaggcacgag cacatccgaa catgctcgaa 360
actcagcgtt tcttgcagcg tctctggcat tcatctgacc cggcgactcg gatatctacc 420
agatatcctc tgacatatgc ggaccgcctc cgtatcaggc agccgggaga tggtaaattc 480
tcgcttggtc cccatgtgga tgggggttca ctcgagcgtt gggaggatcc cgagtattcg 540
cgggtctaca ccaagatctt ggagggcaaa tgggaagaat acgacccttg ggatgcgaag 600
caccgagttt ccgctaagat ggatttgtac aatggagcgg gagcatgctc tatgctgaga 660
ttcttccagg gctggctttc gatgtccaac actggccctg gagaaggttc gttgcatgtt 720
tgccctatgc tcattcagag cactgcctat accattctgc gtccattttt cgatgcgaag 780
acattgcagc ccaacctgga cgccacgttt ccaggttccg tgccaggtgc ttgccaagaa 840
tacaatccag ttacccatcc tcaccttgaa ctagacacca ccatggtttc ggttccagag 900
gtcgaaccgg gagattatgt cgcttggcac tgcgactcgt tgcattccgt ggacaaggaa 960
cataagggga atggtgactc cagcgtcctc tatatccctg ccactccaat gtgcgagatg 1020
aatgtggatt atctcctcaa gcagcggaac gcggctctcg cctattcacc accttgggat 1080
tttcccggcg ccggaggtcc gggtgaggca ggttttaagg gtgcattgga ctggtcttct 1140
gtcaactctg atggcctgcg agccatgggt atgggcgcaa agccttggga agtcactggt 1200
gacatgaccg agggagagaa ggaagttgtt gaagcagcga acaaggcctg ttttggccaa 1260
gcttaa 1266

<210> 17210
<211> 582
<212> DNA
<213> A.fumigatus

<400> 17210
ccgtttggag ctgaggttat gaaaatgtgg ctacgggtgg cactcttgct gctcacatca 60
tgcgttccct caacggtggc catttatcct gatgaggtca atcatatcga tttccaccat 120
gcgctcctgg gcactccctc atcacactcg actttcttcc tcaagccttc ctcctcctct 180
aatgcctcgc tgctctatac tctctcacag aaactgcttc ttggtgcagt gaacccgaga 240
gatggctcac tggtttggag acagaacgtt tcccgatcat tgctctcgaa ggacgatggc 300
caggttcagt cgttcctgcg tgcctcggac ggatcgaatg cgatggtcag cgcagtgggc 360
gattatatct cttcatggag tgctttggac ggaaaattga tctgggagaa ttggttcgcc 420
ggtgagcccg tgatcgacct cgagctgttg gagctcgaag atgccggcgc gacttcatcg 480
gctcgagatg cgatcgcact gtacggtcac aaggcaggtg ttctccggag actggattct 540
gaatctgggg atgtgaagtg ggagtttaag gatgataggt aa 582

<210> 17211
<211> 2460
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (79),(80)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17211
tgcctttctt tggcccaatt cagtggtgac attcccttcc atatatcatc tcgcgcaacc 60
gaggtcttgt acatctctnn acagtcgggc ctgctcaggg gctacagaat aaaatcgatt 120
tcagtggatc ctctgaccgg ccgacagact cggcagcaca tcttgaacac ggagagtgac 180
gtgtttggac cggagtcgat tctcttcgtc ggcgccaaca ccgcttctcc agtcatcatt 240
tggacggaca aggcacagaa agctctgaaa atcaaccaga ttggcctgaa gcaagtgaat 300
acactccaca ttgataatac gagcggcgag gaaattaggt cgattgaagt ccataccccg 360
aagaagctta actctttgcc gcatttcctt gtccactatg aaacggactc cagctcctgg 420
gcggaagtgt atcacatcga tctgacctcg gcgaccgttt ccaaagcata tagtctgcct 480
cgtgtgcaag agagatcagc cttcgcgacg agtaacattg atgccaatgt ctactttacc 540
cgcatcaccc agtcggaggc tgtgattgtc tcatctgcct ctcatggagt cctgggcaga 600
tggccgctgc aggcgcctac gactgagcac gcccagcatg ctgtatcaga agtagtcgct 660
aaggggacg ccgtcgctgt tcggtccgca acagtcttgt cgtcgggtga ctggcaactc 720
attcggaacg gccaaactga atggacgagg tacgaggcat tgaatggagc ggttgccgct 780
tcctgggctg aggaagaata ccaggaagat ctcgctcatg aattggaagt tgaggggcat 840
gagagcttat acaaggccta tatccatcgc gttaagcgcc acgccagaga cctgcaacat 900
cttccagagt ggctgaagga actacctaag cgtattctga ctagtattct cagcgacgaa 960
atttcgagcc ttgatggctt tggactcagc aaaactgtcg ttgtagctac tgagaatgga 1020
cgagtgtatg gcatcgacac cggaaatcac ggcgttgtct cttggagcgt caaggctgct 1080
gaatcagaca gctggaacgt gaaggccatc ctcactcaac ctgggtacgc cactgtgtac 1140
gtcgacgatg gtagctcagt gagcctgaac acgacatctg gcgctgtcat caagcgtacg 1200
cccgcttcag gcaagatcgc ttctatcgcc gtcatcaatg gtccttcaaa ccctatcacc 1260
atcggcgtca aggaggatgg tgtgccagta gagcctttgg aaaaacctgg ctttttcgtg 1320
actctcagtg ccgatggccg tgtcctggga tggagtgccg ctgacaacaa aacgcctgtc 1380
tgggaattcc tgcctgctca gggacagaag atcatacgcg ctattgcacg ccccgcgcac 1440
gaccccgttg cgtctatcgg caaagttctg ggcgacaggt ctgttcttta caagtacttg 1500
aacccgaacc tggctctgat cacggctgcg ggtgaagaca acacagccac attctactta 1560
ctggacgcca tttccgggag aatccttcac agcagcactc agaaaggcgt tgataccagt 1620
caacctattg cttctaccat ctccgagaaa tggttcgttt actccttcta tggcgatcca 1680

ctaaccccgt cagacgccaa gggttatcag ctggtggttt cagagctcta cgagtcgccc 1740
cttcccaacg accgtggccc gttgggctct gcatcgaact actctagcat ccacggtagt 1800
aacatcctcc cactgcctca tgtgatttcc caagccttca tcatccccga acccatctcg 1860
cacatggccg tcacgcaaac ccgacaaggc atcacaaccc gccaacttct ctgcacgctc 1920
ccagcttcga actcgatcgt tggcatcccc cgcccggtgc tagacccccg gcggcctgtt 1980
gaacgggacc caacctccac cgaggccgag gagggtctgt tcaagtacaa ccccgtcctc 2040
gagttcgacg ggaagtggta cctctcacac aaccgcgatg tcgcaggcat caaggccgtc 2100
ctctctagcc caactttgct cgagagtaca agcttgatct tcgcgtttgg aggggacgtc 2160
tttggcacgc gggccactcc cagccaggca ttcgatgtcc tcggcaaggg attctcgaag 2220
ttgcagctca tcatgacagt tttggctttg agcgtaggtg tgattatctt ggcgccaatg 2280
gtacgtttcc ctgaccttcc gcccacactt acccccgcgt gtacgccaca tgaccttcaa 2340
aatactgacc aatctacagg tgcggaggaa gcagaccaat ctgctgtgga aggcagccta 2400
gaaaaagata gagaaacagg ctcaatctat acaacttctc ttcatgattg tgtttattga 2460

<210> 17212
<211> 480
<212> DNA
<213> A.fumigatus

<400> 17212
gtacgatccc ttatccgcac gtctctcaca tatacgatgt tcaggtccac gatctttcga 60
caggccgcga aagccttcag tcagagatct catcctgctc cattcgctgc tcctctccgg 120
tgttccgcct ctaacacctt cttccgtccc ctctcgtaca caattcctcg ctcaacaggc 180
ggaaagaaag accccgaaga atccgaggta gaaggggcgat tcgcgcgtac tgatgagagc 240
gttgtaattg aataccccaa tgacgcggac atgccccgta ctccgatcgt ccagggccgt 300
ggaggaatgc acttcaagcg taccccttgcc caattctccc taaaaaacaa ggtcagcttg 360
gtgacaggag gagcccgtgg tcttggtctg gtcatgtctc aggcgcttgt tgcgtccggc 420
tctgatttgg ccattgtgga tttaaaccgt atgtttcagg cgattaattg caacagttga 480

<210> 17213
<211> 606
<212> DNA
<213> A.fumigatus

<400> 17213
attccagaaa tgacagctaa tgcgtcacag gagaggaagc tgaagaccag gctcagaagc 60
tcgtcgaaca gtttaagaag gaaaatccgg gcttggaaca gtaagtcgat tggcgggttc 120
caggcatttt tgtcagtagc agacgctaac gttcttttca cttttctttt ttctagaatg 180
cccaacgtta cagctcacta cgccgacgtg gcaaaccccg actctgtaaa tacagcaatt 240
gcggaagtta tctcgaagca cggccgcatc gatcacctcg tcacttccgc tggttttacc 300
gaaaacttcg atgccatctc ctacccttat gaccgcatgc aaaagctctg gggtgtcaac 360
gttgatggaa catacttgtt cgcggttggt gttgcgaagc atctcatgga acgcaaggct 420
ccgggcagca tggttctgat tggaagcatg tccggcgcca ttgtcaatgt tcctcagccc 480
caggctcctt acaatgcggc caaggctgct gtgcgtcacc tggccgcttc tcttgccgtg 540
gagtgggccc ctcatggcat tcgggttaac tgcatcagtc ctggatacat gctgacagct 600
ctgtaa 606

<210> 17214
<211> 237
<212> DNA
<213> A.fumigatus

<400> 17214
accgccctct tccacttggt agttttcttg agcgacaggc tgacgtcaat ctctaggacc 60
cgcaaaattc tcgatgaaag gccggatctg agggacaagt ggacctccct tattcctgtt 120
ggaaagatgg gtactccgga agacctgatg ggcgccgtga ccttcctcct cagtgacgca 180

tccaagtaca ttactggtgc ggatctccgc gtcgacggtg gatacactct gacctaa 237

<210> 17215
<211> 270
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (217)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17215
gccttggcat caggcgaacc catgcggcct ttgaagtttc ggttactggc cgagattcca 60
acttcgccct ccttgagaag accggcgccc agaccaatac agacggcgca ccccgctggc 120
aggggatag cgccggcgtc catcagggct tgccagtcac ccgccttctc tgcaatcttc 180
tgttcggcct ttggaagccg ccgcaacgta gaactcnacg ccgtccgcga ccctcacagg 240
cccacccccc ccgggcaacg gcgtccttaa 270

<210> 17216
<211> 288
<212> DNA
<213> A.fumigatus

<400> 17216
agttctacgt tgcggcggct tccaaaggcc gaacagaaga ttgcagagaa ggcgggtgac 60
tggcaagccc tgatggacgc cggcgctatc cccctgccag cggggtgcgc cgtctgtatt 120
ggtctgggcg ccggtcttct caaggagggc gaagttggaa tctcggccag taaccgaaac 180
ttcaaaggcc gcatgggttc gcctgatgcc aaggcctacc ttgccagtcc tgaagtggtt 240
gcggccagtg cacgtatgcc actctctatc ggtgtacctt acctgtaa 288

<210> 17217
<211> 612
<212> DNA
<213> A.fumigatus

<400> 17217
gaatcggcta actcttggct agtgaacggt gttattagcg ggcctggcat ctacaagcgc 60
cccgaagact ggaccggcgt ttccatcggc gaaggtgaag ttgtcgagtc cggctctcgc 120
atcgacacca ctttggaagc aatggagaag ttcattggac aactggatag catgatcgac 180
tcgtcgagca aggccgtgat gccggaagag tcgactggct ccggagccac tgaagtcgac 240
atcgttcccg gcttccctga gaagattgag ggtgaaatac tcttccttga tgctgacaac 300
atcagcactg atggcatcta ccctggtaaa ccttctcaga caggcaatac actgcttgcg 360
ctaacgaacg tcacaggcaa atacacatac caggacgacg tcaccaagga caagatggca 420
caggtctgca tggagaacta cgaccctgcc ttcagcggca ttgcccgcgc aggaggtttg 480
tcaccttccc ttttctcgtc atttctttcg atccgcaaga gtctaacaca cataaacaga 540
catcttcgtc tccggcttca acttcggctg tggctcgtcc cgcgagcaag ccgccacctc 600
catcctcgct aa 612

<210> 17218
<211> 1368
<212> DNA
<213> A.fumigatus

<220>
<221> unsure

<222> (1294)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17218
cttctcaaga aacgcaccgg atctttgctg cttcggtgca gagcatcgcg agtccccgtt 60
atcggtcgac ctttgatctc attatcaacc tcctccacct ccctgtctct atctcgtcct 120
cgatcctttg ccactacatc ccttcgccgt tacgcggagg catcatcctc cacgacacaa 180
acttctcctt cgtcctcgag ttggcccgct cccgatgccg ccccccgcgt cccccagacc 240
ctgaccgaga agatcgtcca agcatattct ctgggcctcg ccgaaggcca atacgtaaag 300
gctggagact atgtcatgct tagccctcac cgctgcatga cccacgacaa ctcatggccc 360
accgcgctca agttcatggc aattggcgca tccaaggtcc acaaccccga ccagattgtg 420
atgaccctag accacgatgt ccagaacaag agcgagaaga acctaaagaa atacgaatcg 480
attgagaagt ttgccaatca acatggcatc gacttctatc cagccggtca cggcgtcggc 540
catcagatca tgattgagga gggatatgcc ttccccggca ccgtcactgt ggcgagtgac 600
agtcactcca acatgtacgg tggagttggt tgtcttggta ctcccatggt tcgtaccgat 660
gccgcgacca tctgggctac cggccgtacc tggtggaagg tccccctat cgcaaaggtg 720
cagttcactg gcaccctccc cgagggtgtc actggaaagg acgtcattgt cgctttgtca 780
ggtctcttca acaaagacga ggttctcaac tacgccattg agtttactgg ctcggaggag 840
accatgaaga gtctctctgt cgacacccgt ctgaccatcg ccaacatgac caccgaatgg 900
ggtgcgctga ccggactgtt ccccattgac tcgaccctgg agcaatggct gagacacaag 960
gccgctaccg catcacggac agagacagcg cgccgattcg ccgaggagcg tatcaacgag 1020
ttgttcgcca accccaccgt cgctgatcgt ggcgccaggt acgccaaata cctctacctg 1080
gatctgtcga ccctgtcgcc ctacgtttcc ggaccgaact ccgtcaaggt cgccaccccc 1140
cttgatgaac tggaaaagca caagctgaag atcgacaaag cctacttggt gtcctgcact 1200
aactcgcgag cgtcggatat tgccgccgcg gctaaggtgt ttaaggacgc cgttgcccgg 1260
agggggtggg cctgtgaggg tcgcggacgg cgtngagttc tacgttgcgg cggcttccaa 1320
aggccgaaca gaagattgca gagaaggcgg gtgactggca agccctga 1368

<210> 17219
<211> 393
<212> DNA
<213> A.fumigatus

<400> 17219
acagacatct tcgtctccgg cttcaacttc ggctgtggct cgtcccgcga gcaagccgcc 60
acctccatcc tcgctaagca gctccctctc gtcgtcgccg gcagcatcgg caacaccttc 120
agccgcaatg ccgtcaacaa cgccctccct ctcctcgaga tgcctcgcct catcgagcgc 180
ctgcgcgaag cctttggcag cgaaaagcaa ccaactcgtc gcacgggctg gaccttcacc 240
tggaacgtgc gcacttccca ggtcactgtc caggaaggcc cgggcggtga aacctggagc 300
cagagcgtac ctgctttccc tcccaacctg caagacatta ttgcccaggg tggattggag 360
aagtgggtga agaaggagat tagcaaggct tga 393

<210> 17220
<211> 576
<212> DNA
<213> A.fumigatus

<400> 17220
accttctcag acaggcaata cactgcttgc gctaacgaac gtcacaggca aatacacata 60
ccaggacgac gtcaccaagg acaagatggc acaggtctgc atggagaact acgaccctgc 120
cttcagcggc attgcccgcg caggaggttt gtcaccttcc cttttctcgt catttctttc 180
gatccgcaag agtctaacac acataaacag acatcttcgt ctccggcttc aacttcggct 240
gtggctcgtc ccgcgagcaa gccgccacct ccatcctcgc taagcagctc cctctcgtcg 300
tcgccggcag catcggcaac accttcagcc gcaatgccgt caacaacgcc ctccctctcc 360
tcgagatgcc tcgcctcatc gagcgcctgc gcgaagcctt tggcagcgaa aagcaaccaa 420
ctcgtcgcac gggctggacc ttcacctgga acgtgcgcac ttcccaggtc actgtccagg 480

aaggcccggg cggtgaaacc tggagccaga gcgtacctgc tttccctccc aacctgcaag 540
acattattgc ccagggtgga ttggagaagt gggtga 576

<210> 17221
<211> 1104
<212> DNA
<213> A.fumigatus

<400> 17221
tatttattct atcaaagcgc gttccacccc caactggacc aagttctgac tgatgttcaa 60
atagcttctt actggcttac taccaccgtc atcatggact tggtcggcac gccgagcgac 120
aataacggta acaaggcttt cccgttcggc aagactgcaa ctcccattat caataccata 180
gtgaaatatg tctacttggg attcctacta ttgcaattca tcctcgcgct gggtaaccgt 240
ccaaaaggat cgaagttctc atacctcgcg tctttcgtgg ttttcggcat cattcaggtc 300
tacgtggtta ttgatgcact gtacctggtg gtgcgtgcct tcagtggaag tgctcctatg 360
gatttcacta cggaccaagg cgttggcgag tttctgaaat cgttcttttc atccagcggc 420
gccggtatca ttatcattgc tctcgctgct acattcggtc tctactttgt ggcatctttt 480
atgtatcttg acccctggca catgttcacg tccttccctg cctacatgtg tgtccaatcg 540
tcatacatca atattctgaa cgtctacgct ttcagcaatt ggcacgacgt ctcgtggggt 600
accaagggtt cagacaaggc agacgctcta ccttccgcca agaccaccaa ggatgagggc 660
aaagaggttg tcatcgagga aatcgacaag cctcaggctg atatcgacag tcagttcgag 720
gcaacggtca agcgtgccct aacaccctat gtgccaccag tcgagaagga ggaaaagact 780
ctggaagact cgtacaaaag cttccgaacg agactggtca cgttttggat ctttagcaac 840
gccttcttgg ccgtttgcat caccagtgac ggtgtggata aattcggctt cacggtatgt 900
agacgtcggc agtccttgtt agtagactgc gaaactaaca tattgcagaa ttctgctacc 960
gaccggacgc agcgtttctt acaggctttg ctgtggtcca acgctgtcgt tgccctgttc 1020
cgtttcatcg gagcctgctg gttcctgggc aagacaggtt tgatgtgctg ctatgcccgg 1080
ccgttagagg ggcgttcttc gtaa 1104

<210> 17222
<211> 231
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (25),(26),(27),(55)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17222
ggctttcggg gggtgaacga tcttnnngac gctcgtcttc atccagccgg tgtanaaagg 60
ccgcccggtg ggttgcggcg ttatgctaca agaaaggtca agttggtgca gggttccgtc 120
ctgagtgtcg attatcctgt tccgagcgcg atccagaatg ctattcaggc caagtacaga 180
aatgatctcg agggtggaag tgaggaattt acgcacatgc gatgtgagtg a 231

<210> 17223
<211> 345
<212> DNA
<213> A.fumigatus

<400> 17223
cagatagcat gggaactaga tctgcaggag ttgactcttg gaagcacgat gaagatgaat 60
tttccgaatc ctgacgatat cctgaacttt acgcttacga tcgagcccga cgagggcatg 120
tacaagggtg gcgcgttcca ttttaatttc agtgttaacc agaacttccc gcatgacccg 180
cctaaagtga agtgcacaca gaagatttac catccgaata ttgatctaga agggaatgtg 240
tgtctgaaca tcttgcggga ggattggaag cctgtcctga acttgaatgc ggttattgtg 300

ggcatgcagg tgggtttgag agatggtcga tgtcgctgtg tgtag 345

<210> 17224
<211> 588
<212> DNA
<213> A.fumigatus

<400> 17224
gtgtcgatta tcctgttccg agcgcgatcc agaatgctat tcaggccaag tacagaaatg 60
atctcgaggg tggaagtgag gaatttacgc acatgcgatg tgagtgatct cagacgctgc 120
acctggcctt tctatttcgt ccacattgct gacaacccct cgtacaaatc tcaagacacc 180
gcggccacct gtgatcccaa tgaatttaca ctgcacaatg gttacaatct tcgacctgcg 240
atgtacaaca gacataccga acttctcatt gcgatcacct attataacga agacaagaca 300
ctcacttcac gtacactgca cggtgtcatg cagaacattc gcgacattgt gaatctgaaa 360
aagtccgagt tctggaacaa gggtggtcct gcctggcaga agattgtggt ctgcctggtt 420
tttgatggta tcgacccttg cgacaaggac actttggatg ttcttgcgac aatcggtgtc 480
taccaagacg gcgtcatgaa gcgtgacgtc gatggaaaag agactgtggc tcacattgta 540
tgtgcactcc gaccagttgg gatcactgga cgtactaatt ggtcatag 588

<210> 17225
<211> 909
<212> DNA
<213> A.fumigatus

<400> 17225
tttgaatata cgactcaact gtctgtgact ccgaatcagc agctgatccg ccccaccgac 60
gacggtccca gtacacttcc tccggtccag atgatgttct gtttgaagca gaagaacagc 120
aagaagatca actcccacag atggctcttc aatgcatttg gtcgcattct caaccccgag 180
gtctgtattc ttcttgacgc cggtacaaag cctggcccga agtcacttct gtcgctttgg 240
gaagccttct ataacgataa agatttgggt ggtgcttgcg gtgagattca cgccatgttg 300
ggtaagggtt ggaagaacct gatcaacccg ctcgttgccg ctcagaactt cgaatataag 360
attagtaaca tcctggacaa gcccttggag agttcatttg gttatgtcag cgtcttgcct 420
ggtgccttct cagcttaccg attccgcgca attatgggcc gccctctcga gcagtatttc 480
catggtgacc acactctttc aaagcaactg ggcaagaagg gtatcgaggg aatgaacatt 540
ttcaagaaga acatgttctt ggccgaagat cgtattcttt gttttgagtt ggttgctaaa 600
gctggttcaa aatggcacct gacctatgtc aaggcctcca aggctgaaac cgacgtgcca 660
gaaggcgctc ccgaattcat ttcgcagcgt cgtcgttggc tgaacggttc gtttgctgcc 720
ggtatttatt cgctcatgca ctttggtcgg atgtacaaga gtggacacaa cattgtccgc 780
atgttttttc tgcacatcca aatgttgtac aatatcttct ctacggttct gacatggttt 840
tccttgggta agttaatatt tattctatca aagcgcgttc cacccccaac tggaccaagt 900
tctgactga 909

<210> 17226
<211> 216
<212> DNA
<213> A.fumigatus

<400> 17226
cgaccagcaa ttatggtcga tcaagagtcg aatcctgcca tggatgagct ggagcagggt 60
agtcctatgt ccggggttga aaatggtaag cgggagcagg tggaggacgt tgaggagatg 120
gatgtcaaat cgaaggctct gatgcacctt ctgaatacaa gcgaggtatg ttttccccta 180
tcttatgtta tcctttactt cataatgaaa cactga 216

<210> 17227
<211> 870
<212> DNA

<213> A.fumigatus

<400> 17227
gtcttcgtgg cgattatggc agataagatg aagaagcagc aggaagaggc caggcttgaa 60
gcggcgaagc agcagcagca gcgacagcaa aagctgacag aagatcaaaa gaagccaact 120
gctacacgct cagttgcgag gcgagagacg cgcgcgaggg cgaagcagcc gtctgcagat 180
gagacaacac ctgctgtgag cgagcaagca gatgaaaaga cagccacgag ctcgagaaga 240
ggcagaggca agaagggtgc ttccgccatg aacggtaaca gcattgcaag ctatttcaag 300
aaagtggata tggaggaccc tgaagacaaa ccgacggtgc aggaagccct ggaacatgct 360
gcggacgagt atgaggccaa tcccagtgct cttggtgggc aggaccttgt cgccacccag 420
caaccggagc ttgttactgg aggaagaatg cgcaagtacc aattggaagg actggagtgg 480
ctcaagtcgc tttggatgaa tggcttgtgt ggaattctgg ccgacgagat gggtcttggg 540
aaaacagtcc aggcaatctc attgattgct tttttcaagg agaagaacgt ttccgggcct 600
tttttgattg cggctccgtt gagcacagtt agcaactggg tagatgagtt cgcgaaatgg 660
actccgagca tcaagacggt cttgtaccat ggctccaaag acgaacgtgc cacgatccgc 720
aggaacttga tgaagctaaa ggaccagagg agtgcagatt ttccggttgt ttgcacatcc 780
tatgagatct gtatgaacga tcgaaagttt ctcgcgcaat accaatggcg ttatatcatt 840
gttgtaagtt ctgctctacc atccacatga 870

<210> 17228
<211> 819
<212> DNA
<213> A.fumigatus

<400> 17228
aaggggtgtg catctctaac ccgaggtcag gacgaaggtc atcgcctgaa gaatatgaac 60
tgcaagctca ttaaggagct tctctcgtac aactctgcaa accgactgct gatcacgggt 120
acaccactac agaacaacat taccgagctg tggtcactgt tgcactttct gctgccagag 180
attttcaatg acctcaacag tttccaaagc tggtttgact tttcctcaat gctcgatagc 240
agtgggcaaa cggacgtcat agagcgtcgg aaacgcacac tcgtctccac catgcattca 300
atcctgaagc ctttccttct gcggcgggtt aagtctgacg tggagactgc cttaccaaag 360
aaacgcgaat acattctcta tgcccctctc acagcggagc agaaggattt gtatcgtgag 420
attcttaatg gcacgggccg tcaatatctc gaggataaag ccgcggaacg cctcttggcc 480
aagaatgaga gattgtctcg ttcggcaagc ctaaaacgca gtgccgagag tagtaacgcg 540
tcgaccccca ataagagcct caaatccagc agggattcaa ctccagccag tgtggctagt 600
tcaacccgca ggcgtagggc ccctcaaaac tacaaagaat tgagtgaccg agaatttaat 660
gcgcaattac gccgccttga gcaaggcttg gaagacgatt tggacataca acagagccct 720
accgatactg agcaagagga aatcgaaaga gcaaatacta tcaagcttgc aagtacgtat 780
atggctggct cgaacttaga ggccactgac tcgtgctaa 819

<210> 17229
<211> 879
<212> DNA
<213> A.fumigatus

<400> 17229
cgaacctaca cagagaaaga aattgctcag aagaagttgc agaatccggt catgcaagcc 60
cgtctcgctt gtaactcccc gcataatttc tactggccat ggagcgacga cccggctgcc 120
atcgacgaga ctcttgtcac tgcatcgggc aagatgctcc ttctcgaccg cctcgtgcct 180
tgtctcctga agaaggggca caagatcctc atattctccc agttcaaaac acagctcgac 240
attcttcaag attgggccac ccagcttcgc ggctggaact gttgccgcat tgacggcgcc 300
atcagccaga cagaccgtca agcccaaatc aaagccttca actcagaccc gggctacaag 360
attttcctgc tgagcacgcg agcaggaggc cagggtatta accttgtcgc cgccgacacg 420
gtaatcctct acgactcaga ctggaacccc cagcaagacc tccaagcaca agaccgcgcg 480
caccgcattg gccaaacaaa acccgtcatc gtctatagac ttgcaaccaa aggaaccgtc 540
gaacagactc tcctcgagaa agcggactcg aagcgccgtc tcgaacgact cgtcatccaa 600

aagggcaagt tcagaagtct cctggactcg agctcggtga atcacagtga cgtagaagag 660
ctcaagaagg ctctcggtga agacgaattc gagcgcttcg agacgggcgc tgaccccacc 720
gcgctcctgt cgcaaaagga tctggaaatc ttgaccgatc gcagcgagga ggcgtatgcg 780
cgtgccgaaa agggtctgga acacactggg cgtgcgttca aggctgtcga gacgaagaaa 840
gagggaaact ccctcatggc tcaaattact gggaagtag 879

<210> 17230
<211> 669
<212> DNA
<213> A.fumigatus

<400> 17230
tccacccttt tgccttcccc cgcaatcaac aaagacgcca ccttgccttc cctgcacatc 60
gtcaactacc ggcagaaggg tttccgcatc ccccgcacta tccccgcctc tctccgcgct 120
tccttcgaga acaacaagat cgactaccaa atcgacaatg cccgccccgc acaaaggtgg 180
ggtgcagacg gagacacaga gaccccaaca gggcgcaaag ccaagttcgg cgacacatat 240
ctgagccgct tgggcgtggg tggcaagggc tcctacacgc ccaagggtac ggacttcagc 300
gacacaatcc aggacgaaga atgggagaag gtgcgtctgc ggcgcgagct ctcagagctg 360
caggcaaagc ttgaagccgc caataaggcc tccgaaagcc gcagggatcg gccccggaat 420
gacggccggc ctaactggac cctcatcaaa aaggaggcgc ttcagctttt ggaatacaaa 480
gagcgtgagc tccgggagtt gcgagaaggc acgggaagag cgaaggcggg gcaggatctg 540
gagcggttac gggaggacat caggaccgtt ggggagcaag ttgaggggtt aaagagtcat 600
ctcgcgcagc ggaaagaagt ccttgctgat ctaaggagtc agattgagga ggaaagggca 660
cggcggtaa 669

<210> 17231
<211> 768
<212> DNA
<213> A.fumigatus

<400> 17231
aggtctacaa caccccgtc catggcttca gcatccagtc cgaccacctc accatcaagg 60
acgtcctcct cgacaactcc gccggtacca agctcggcca caataccgat gcctttgacg 120
tcggttccag cacctacatc actattgacg gcgccaccgt ctacaaccag gacgactgcc 180
tggccgtcaa ctccggtgag cacatcacct tcaccaacgg ctactgcaac ggtggtcacg 240
gtctctccat cggctccgtc ggcggccgca gtaacaatgt cgtcaacgac gtcaccatct 300
ccaactccca ggtcatcaac tcccagaacg gtgctcggat caagaccgtc tacggcgcga 360
ctggctctgt caccggcgtc aagttccagg atatctccct caaaggtatc accaagtacg 420
gtattgttgt ccagcaggac tacgagaacg gcaagcccac tggcaagccc accaacggcg 480
tcaaggtctc cgatatcacc ttcgagaagg tcaccggtac cgtcaccagc tccgccactg 540
atatttacat tctctgcgga tctggcagct gcaccaactg gacctggtct ggcaatagcg 600
tcaccggtgg caagaagagc tccagttgca agaacgttcc tgctggcgcc tcatgctaga 660
cttgcttcta gaaactggcc ggcgggcgct gtcgagagtg ttctgttcgt gtctccactt 720
cttgattcct gtcttgtatt cgaccacgaa ggctggaagt accgcgtc 768

<210> 17232
<211> 198
<212> DNA
<213> A.fumigatus

<400> 17232
acgaacgaac ctggacacgc cgctcaccta cctcgggaac ggaatcaggt acacagtctc 60
tgcggagaca agtctactcc aatatccctc actcatggaa acgacaaggt tggcgtacta 120
aacccgcagt gggttgagca tggcagcgtc actcagtatg aacaaagcag ccagtgtcca 180
ggcgccacaa gtcactga 198

<210> 17233
<211> 207
<212> DNA
<213> A.fumigatus

<400> 17233
ggggagtatg aatatctaac ggcacttgtg tctttcctta tagctttcaa gcgtagaacg 60
cgtactatcc gcagtgcctg tagctgggat aagaaggaga cacggaagct cgtaaccgca 120
aatgagcaca tgctgaacat ggacagtcta tttctagtct tcatctactt cttgggctta 180
tttactccga tctccaattg tatttaa 207

<210> 17234
<211> 1209
<212> DNA
<213> A.fumigatus

<400> 17234
ccagaaccct gtcccatctt tctaaaccga gtcccgacca ttgacttccg ctcttccacc 60
atgcatttct tccaatcctc cctcgtggcc gcgaccatgg gcgctgcgct ggtcgctgcc 120
gcacctgccg ctgatctcga gactcgcggc tcttgcactt tcacctctac gtccgcgctc 180
aagtccggca aggcctcgtg ctccaccatc actctccaga acatcgcggt gcccgcgggt 240
gagaccctgg acctgactgg cctgaagacc ggtaccactg taagtcttac ccttgaattg 300
tctgaatgcc atcggctgat gtgctgccaa aaggtcgtct tcgacggtac caccaccttc 360
ggctacaagg aatgggaggg ccccctgatt tccgcgtccg gaaccagtat taccatcaag 420
cagaaccctg gtgctaagat tgactgtgat ggtgctcgtt ggtgggacgg caagggaggc 480
aacggtggca agaagaagcc caagttcttc tctgcccaca agctgaacaa gtcgaacatc 540
accggcctga aggtctacaa caccccgtc catggcttca gcatccagtc cgaccacctc 600
accatcaagg acgtcctcct cgacaactcc gccggtacca agctcggcca caataccgat 660
gcctttgacg tcggttccag cacctacatc actattgacg gcgccaccgt ctacaaccag 720
gacgactgcc tggccgtcaa ctccggtgag cacatcacct tcaccaacgg ctactgcaac 780
ggtggtcacg gtctctccat cggctccgtc ggcggccgca gtaacaatgt cgtcaacgac 840
gtcaccatct ccaactccca ggtcatcaac tcccagaacg gtgctcggat caagaccgtc 900
tacggcgcga ctggctctgt caccggcgtc aagttccagg atatctccct caaaggtatc 960
accaagtacg gtattgttgt ccagcaggac tacgagaacg gcaagcccac tggcaagccc 1020
accaacggcg tcaaggtctc cgatatcacc ttcgagaagg tcaccggtac cgtcaccagc 1080
tccgccactg atatttacat tctctgcgga tctggcagct gcaccaactg gacctggtct 1140
ggcaatagcg tcaccggtgg caagaagagc tccagttgca agaacgttcc tgctggcgcc 1200
tcatgctag 1209

<210> 17235
<211> 267
<212> DNA
<213> A.fumigatus

<400> 17235
acatcttccg tgtgccattt ctcacggagc gtcctcaaca acatcattgg aggccctgat 60
gaggtgtaca tggctggtct ggtctctgta tgtccatgct caactgtatg gcccttgatg 120
acgagccaga ccaactacat cacatcaact ggcgcgtacg ctcttatcga ccccagaact 180
ttggctgata gtaagtctag cctccagccg agaatgaaaa cactaataga accagctatg 240
gcgagtttgc ctatgagtat tatctga 267

<210> 17236
<211> 270
<212> DNA
<213> A.fumigatus

<400> 17236
acggctcatt cactgccttc tacaggagtt ggctccaatg aatccggagc agagttcgga 60
agtggcacca tccctggtgt cccgggcaaa gattgcatct ggctcaacac gaccgccatt 120
ggcatcatga aggaagcagg gaccagggtt gaacatcttc cgtgtgccat ttctcacgga 180
gcgtcctcaa caacatcatt ggaggccctg atgaggtgta catggctggt ctggtctctg 240
tatgtccatg ctcaactgta tggcccttga 270

<210> 17237
<211> 327
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (234)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17237
cctccagccg agaatgaaaa cactaataga accagctatg gcgagtttgc ctatgagtat 60
tatctgaagg tttttggagc catattttcc aaggtagagt tatacggcaa cgtcgacggg 120
gagggagact gctacggcga ctgctttgag tacgagctcg acaacagggg taacagggac 180
gtctactgca gttgcacagt actggggtca atggggtcgt tagggctgaa tggngctgac 240
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tgttgctgga atggttccca aggttga 327

<210> 17238
<211> 318
<212> DNA
<213> A.fumigatus

<400> 17238
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gcgctgtggc ttgaaacctt cctctgtggt gtactgagag catattctta cgcggacgac 180
ggtagtggtg atgccatcag aaaaatcgtc ggtgttcgac gattcaaccc ggtaaccaac 240
acggagatgg agcacaagtt tctggatgct gcggagaggc tattcttcct aggtgcgctg 300
cattgcaaat tttgctga 318

<210> 17239
<211> 225
<212> DNA
<213> A.fumigatus

<400> 17239
actggagttt accatcatgt caccggcgtt gatgcctcat cctccgccag cctggccgcc 60
tacgtaaaca cacttacctt ttctcctctg gataagacac acaaggtggt ttctggaatc 120
tactggtcag aaactcaaat gaacgaacgc aatgattctg ttatggttaa cgtttgcgca 180
gctgttacaa tgccttctcg catctcgata tgcgtgtcga agtga 225

<210> 17240
<211> 1023
<212> DNA
<213> A.fumigatus

<400> 17240
caagaactta tagggaggca gctcagctcc gatccagaaa ctcaagtacc cagtaccgtc 60

agcaaccatc tcacagcagg tcttctcaag tacatccaga caaccggccg ctatacctcc 120
ggagtgaatt tgttcgagaa acttcgcaca cgagatgtag aggtttcgtc gctgttggca 180
agggttctgt taatggcaga tgaagaagta caggctgtac ggttgatgta tgatgcttta 240
caagacgtgc cgatggacta tgcactactc gattgccaag cagcgttctg catgagcaag 300
ggagaaggtg aattggccct ggaatgcgcg aaacgtgctg taaccgccgc accgagcgaa 360
ttcagcacat gggctcggct ggccgaggta tacgtatcgc tcgagcaatg ggacttggcg 420
ctcctaaccc tgaactcgtg tcccatgttc acataccagg acaaggacac gcctagaatg 480
ccgcagccgt cacgcattat gcttcctatt cttgcagaga gcatattgga tgaaatcgac 540
gagggacaac ctaaacaggg agaccctcac gactatatcc atccgtcgct gagaaaactg 600
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gcatcgatcg gctgggacca gctactcaag attcgcagcg aggtcttcgt gatggaagag 720
gagtaccgag ttgagcgcca gcactccaca tcgaaacctg gtaaatctga ctctgtcgct 780
gagatccagg gtgttgagac caatggtaac ggtgagaatg gagacgggtc tggagctgag 840
gatgcagatc aatcggccga gactgcagcc agcaacaatg gagtgaacga aacgcaagta 900
gaaagttcta ttgagaaacc agagcaatcg atggcatcag aagtcgtcaa gtcaagcaac 960
gatgatgtga gtttatctac ctctccttta cttcttccca ggatgctgat gatgaatttc 1020
tag 1023

<210> 17241
<211> 339
<212> DNA
<213> A.fumigatus

<400> 17241
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gagatggctc aattccggca gcaagcgatt gagtacaaga agtcggcgac tgaatgggag 180
atcctgggcg aacttgcgga gcgtctgcat cacttcgacg aagcaatcga agcctatcaa 240
cactgcctgt ctattcggtt ctcgcccaag gccatgcgcg ggatcctgaa gatgtatgac 300
aaccggaatg acacgcgagg cattcctagg ctggcctga 339

<210> 17242
<211> 315
<212> DNA
<213> A.fumigatus

<400> 17242
cctctccgca gcatccagaa acttgtgctc catctccgtg ttggttaccg ggttgaatcg 60
tcgaacaccg acgatttttc tgatggcatc accactaccg tcgtccgcgt aagaatatgc 120
tctcagtaca ccacagagga aggtttcaag ccacagcgcc tccgtagcaa cacgcttatc 180
gcctcgctca tcgatgcaat agctctccag actccctggt atcttcactt cgacacgcat 240
atcgagatgc gagaaggcat tgtaacagct gcgcaaacgt taaccataac agaatcattg 300
cgttcgttca tttga 315

<210> 17243
<211> 429
<212> DNA
<213> A.fumigatus

<400> 17243
gatggtgtcc atcatagcca atttatcgca ggtgtcaggg acctttttgc gggccgcgta 60
gacgccgtca tgtcgagctg ggtggcgtta aatatcgagc ctgacgaggc aattgaagaa 120
gaggttgatg atacgaagga gatacagatt gaagaagctt tgaagctcta tcaaaacgcc 180
ctcaagctac attctcaggg tccacagttc tatgcccaag ctgcggaggc ctacgaagct 240
ctccttagtt cggacatctt caaatatccc gaatcgattt ccgacttcaa aagatctgct 300
ctgcaagact ccgaggcaca tcttgatgat gatgtcgcag tcatcgacgc agtagagaca 360

ttccctgaat tcagtgtcaa tgattccacg tctagcactc tgttacagac gagttctttg 420
tcctataag 429

<210> 17244
<211> 795
<212> DNA
<213> A.fumigatus

<400> 17244
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ttccaggact attatcaaca taatcaattg cgcgagtact ccgcatccag catctcctgg 120
atcctgtctc tcgagccatt tgttctcttc gccgcaggca tcgtcctcgg ccgggttttc 180
gacaactacg gccccaaatg gatgctcctc atcggcacat tcctgcacgt ctttggcctc 240
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cccctaggcg ctagcttcgt cttctatccg gcttccgcct gcacagcgac ctggttcgac 360
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accattctaa atgctgcaag gttagtgtgt cccagtctcc agctgcgcgg attgacgtgt 780
atgctgatga gctag 795

<210> 17245
<211> 453
<212> DNA
<213> A.fumigatus

<400> 17245
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acgctgctgg ccccgggatc tgcggccgtt tatgtcatct tcagcttgtt gtatgggttc 180
gcgtccggag cgtttgtcgg catggttcca gcactgctca gccagatcac ggcggatatg 240
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ggaagcccaa ttgcgggggc aattctgaat cgacagcagg agacttattg ggggctacaa 360
gtctttgctg gggcaatgat ggtggggagt gtggtgttct ttgttgctgc gagagtggtt 420
ttacaaggga cgtcgctaag aaagaaggtg tga 453

<210> 17246
<211> 282
<212> DNA
<213> A.fumigatus

<400> 17246
tcaaagcagg gcttctctgt ctggctcatt acggccaaag acaaggacac cttagacgcc 60
tggttccgtg ccatggagac ctcacagttt ggaaacatcg cgcgcatcaa cgctgaatgg 120
taccggtacc aaaacttccg catcgaacat tcgaccaccg actattgcct cactcagaga 180
tttgacggac taatcctctt caagcctttg tatggctaca atgattcgtg gcatacgatc 240
aataacgggc cttttgtcga ttgctttcaa tataactggt ag 282

<210> 17247
<211> 390
<212> DNA
<213> A.fumigatus

<400> 17247
ctgacttgtg attcctgtag gtattacatc cgctccaaga agtccaaatc tctctattgg 60
gacgtcaaac gcaagtcaga ggcggaatca ctccaggtct acgtcagcac caaatctcgc 120
gcccggttcc aagccattaa aatactctgc ccgaactacg caccgtctcc ggtagatcac 180
cgcattctcg gcgacgatcg tatgtctctt catcatgccg ccggcccggt gtcgttcatc 240
aggaacgaca tgggattcct catattgact atatcctgtc tgaaccccca tttccggatc 300
agtgagctta ctaccagctt tgctccacag cctgacaacc gcattgccta tatcccaggc 360
tttggtgcgg aatgggagct ggtgtattag 390

<210> 17248
<211> 681
<212> DNA
<213> A.fumigatus

<400> 17248
gacgagtgtc gaacttgctc ggcactgcgg acggattata tcgtgattga tgaccgtgat 60
gctgagaaaa ggagccaaaa ggattcgggg agttctgagt gggctagcgt ggaggaagaa 120
tcgcctgatg acctgggagc cctgtcttcc tcagaagtgg cccgtctcgg tctgaacacg 180
gtcagctacg tgatggacag tgaggagccc ttggatacgc ttgtgaggat ttctcaggat 240
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attcgtacga gccggcttgg aatgcttcct tcaggcgtca atgtcatgtg gatcaatggc 360
gtgcagattg atcctcgtca gatagacgca ttctctcttt tggatcacct ccgccgcgaa 420
agaaaactaa tcgataaatt tcgaagcatt ggactttctg ctcaggaagc tgtcgatctg 480
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cgagaccaaa ttgagggcgg cggcgtgatc atctggatga acgacctaga aaaggataca 600
aaataccaat catggccgga cgacctctcg gcagtaagct tccaccttca attctgtgtt 660
tgtgtggcat acttaccatg a 681

<210> 17249
<211> 834
<212> DNA
<213> A.fumigatus

<400> 17249
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tcaaatcctt ccttcctcat ttggcaagag aatatggctt ttcgtacgaa atggtcacct 120
aacaatggcc cgcactggct tcgagcgcag cgggagaaac aaaggagatc tggggaatac 180
aagatcctct ttttggacgt tcttttcccg ctttcattag ataagttcat cttcctggat 240
gccgatcaaa tcgtgcgcac agatatgtac gacatcgtct ctctagatct cgagggcgcg 300
ccatacggtt caacacccat gtgcgattcc cgcgaagaga tggaaggctt ccgtttctgg 360
aagcaaggat actggaagaa ctttctccgc ggtctccccc atcacatctc agcactgtac 420
gtggtagatc taaaccgctt ccgggcgctt gcggccggcg atcgccttcg cggacagtat 480
cagatgctct ccgcggatcc taacagtctg agtaatctcg accaagacct gccgaaccat 540
atgcagcatc acatcccgat caagagcctt ccccaggagt ggctgtggtg cgagacctgg 600
tgctcggacg actcgcttag cacggcgagg acgattgacc tgtgtaacaa cccgcaaaca 660
aaggagccca aactggacag ggcccgaaga caggtccctg aatggacgaa atatgacgat 720
gaaattgcgg cattggcgga aagagtcgcc ttggagcaac aacgacaaca gctagaagag 780
atggagtctg cagacgaaga cgaggagtct ggttgggaaa aggatgagct ctag 834

<210> 17250
<211> 2160
<212> DNA
<213> A.fumigatus

<220>
<221> unsure

<222> (1927)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17250
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gagcttgaga tcctggtttc ccgaaccaag caatatcaag atcgacttgg aatcaagggc 180
aacgcttcat atatcttggt gaatggagtc tttgtgcctc gggacgacaa ctggcctcaa 240
gaaatgagta tgagggttgg tcgcgacttg cagactatcc aacaaggagt agtggatgga 300
tctatcgagg aagatacctg gcttcccgaa cttttcctct cggaagcatt cgatcgccgc 360
aatcccttga taatccccga ggattcaaag gatatccgaa ttgtggacat ttcgaaactc 420
gcaaagtcta ggggagactc cgctgatact cttcgcattg catctgagat ggatacactc 480
gacagtaagc acttgatcgt tgtcggagac tttgactccg agaacggcct gaagttgctt 540
gttgaggctc ttgaacttcg ggcgacacac ggcgaagtgg agatggttct gattcataac 600
ccagctcctg atgtagagac ggaaagcgga tctgccctga tctataacgc attgaagggg 660
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cgaaacacca agcataccgt caaattctgg tttattgaac aattcctctc gccttcattc 2100
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<210> 17251
<211> 276
<212> DNA
<213> A.fumigatus

<400> 17251
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gcggactcgg aatctgattc agactcggac aacgtctctt gcggtggttc ctcttccttg 180
atagttggct ttgatggctt tgaagcttta ggccgtggag ttgtgttcgt ctcagcattg 240
accactgagt cagaagcaga tttctttgta gcctga 276

<210> 17252
<211> 1965
<212> DNA

<213> A.fumigatus

<400> 17252
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<210> 17253
<211> 204
<212> DNA
<213> A.fumigatus

<400> 17253
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accgatattg tccgtaccga tttcggcact gggacttcta aactcccgtc gaataagcgt 180
tatgatagct gcaatagctc ttga 204

<210> 17254
<211> 3267
<212> DNA
<213> A.fumigatus

<400> 17254
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gcaacgaggg tacagttgaa gtttatccga gacgtcgagt ccctttttgg agagttgaga 3180
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cttgcgcaag gtatcctgga cgattga 3267

<210> 17255
<211> 261

<212> DNA
<213> A.fumigatus

<400> 17255
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cagtccctta aagtttctac tttctgtttc ctccatccta gccgcacttt cactctacgc 120
aagaattgga taccagcaat cctcactatg ggaaaggata acttcatccg acaagtcgaa 180
aactcggctg agttcaaact ccttgacaaa gtagttaagg accaagtcac agtgcaagat 240
gcggtccaag aaagtcattg a 261

<210> 17256
<211> 387
<212> DNA
<213> A.fumigatus

<400> 17256
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gcactctccg tccatggccc aagcaaacaa ggcggtatcg gcgtgcctga ctacaatatc 120
tctcttgcgg tgatggagct cgcgcaacgc cgggagccag cagagcacac taagcttgcc 180
aagtttgtat ctcatctcca gaagcagatt gccattgatc catctacaaa cgaacccctc 240
acggtccaac gagatatcct ctggactgat atgccgtcat tcggctatac agagctggag 300
acgtggtccg agtttggtgg tgattacaaa ggtaatacat cctgtcattc aagcagccaa 360
aacgctaacg tatgtagatc cctgtga 387

<210> 17257
<211> 459
<212> DNA
<213> A.fumigatus

<400> 17257
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cttctactgc ctttgtcgtc cacttttggc actctcttca gccagataaa tagcacgcag 180
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gccatctaca cagtcctcgc catcccaatc ctctacctcc tcgtacgaca tggacgcgat 300
ggtcttctgg gatggctctt cctcttcttc ttctgcaccc tgcgcatcat cggcggagcg 360
ctagccgtta acagccccag tacagccgct accgtcatct ccagcgtcgg tctttctccc 420
gtcctgctcg caacagccgg caccctacag gaggcataa 459

<210> 17258
<211> 249
<212> DNA
<213> A.fumigatus

<400> 17258
gtcccaactc acaaatattc catcaatgcg aacatgatca gccgacacta tcgcattcaa 60
cccctccaca aaaaaatgga atgggtctcc gtcctcgcct accacatgct cgtcgtcgca 120
ggcgtggccc tcacagccgc cggcccggta aaactccaag aacacaagca gcccctcgac 180
aaggccgcga agatcgccaa ggagggtatt gccattctgg cagtcgcgtg gggggtcctg 240
gttgtctag 249

<210> 17259
<211> 480
<212> DNA
<213> A.fumigatus

<400> 17259
gatgagctgg acgattcggg tgatataaag atctatggat cttgcgagac ctttcatcat 60
cgtcaacagc atcacagcaa tccattccca cttggaagcg tctctcctcc atactatcgt 120
ccaaagcacc agcctctcga aatgttgttc gacatgaagt ccgtcgtcct ctacggactc 180
atggccctcg tccacgcctc tcccctctcc gatctcagca agcgcgccaa actcggcgac 240
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cgcagactcg acgacggctc cataggcaaa tacccggcat tctttggcaa caagagcaat 360
aaccaaaagg tattcggcaa tattcccgat ggcacggatc tacgagaatt ccccatcatc 420
gtgggcggag tgtacagtgg tggtaagctt cgcgaacgca aagatactga gccgagctga 480

<210> 17260
<211> 474
<212> DNA
<213> A.fumigatus

<400> 17260
tgcagcatac tggtgctact gttgggggcg cctatacggc ctgcacacgc atcacaaata 60
caaagcgtag agcctggcag agacaaagat gacaagaaca agcacgacaa ggacgaggga 120
gacatgaaga gtaataatga ggagcgcagc gtccaggaga ctgagactga ggtcgaggaa 180
cccactggcc acattgtcag cgacctgacc acccgcagca agaagaggag acttggtagc 240
gctacctgca ccgacggcgt cacgctctcc cacgatgatg tcgtcaatgc gttcagggag 300
tgcaagaagt gggacgacca tggaaggggc gggtatcccc acaaattcgg caacaagagc 360
ggtaacagtc aggtctttga gggcatcacc aaagacctgc gcgagtaccc tatcattcaa 420
agtggaacct ggactggtaa gtcatccaca ctctcgttat gggatgcaga ctga 474

<210> 17261
<211> 324
<212> DNA
<213> A.fumigatus

<400> 17261
gtggtctact tacttgtgat ggcagccaaa ttcattccaa ggcaggcatt tcccagctat 60
gcctccattc caagatcgta ttatcttggc catcacaaag ccggtttgaa gaagatgcag 120
aacatgctat cttctattga ctatgttatt gaatgccgtg actacagagt acccataacg 180
tctatcaacc ctatgtttga agaggctttg ggaaagacaa ggcggttagt agtttacacc 240
aagagggacc tgggtgcgga acctcgatca tctgcgcagc gaacggtaag tccaagatcg 300
aagtttggcc catacttgtc ataa 324

<210> 17262
<211> 810
<212> DNA
<213> A.fumigatus

<400> 17262
gtccaagatc gaagtttggc ccatacttgt cataatgctg acgggtggtt ctgtatgcag 60
gccgaaaaaa ttattaagaa gtttgattcg agtagtgctg tgtttttttgt cagctcctct 120
tcccgagcgg atgtcagctc gattctggcg catttgcgaa atgatgctga aggacctgat 180
aagctcgtcg gctgtcgcgt gatggttgtt ggaatgccaa atgtcggcaa gtccaccctg 240
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cctggtatta cacggaagat tgggacacca gttaaaatca ttgagcgaga caatggagct 360
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gcggactatc ttttatatca tattaatctg cataacccgg ggcagtacga gcgctggtcc 540
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gctaaagggg gtattcctaa catcgatctt gccgcactcc atctcattca aaagtggcga 660
tctggagaat taggacgttt tatgcttgat gacctacaag cagagcagcg ccgtatcgac 720

gaaggaatcg agaacgacgt gggtatcagc atatcccagg ccttgaaggc cgagcgaatg 780
tcgagaaaac agcctgcctc taattcttaa 810

<210> 17263
<211> 1398
<212> DNA
<213> A.fumigatus

<400> 17263
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gaagctcagc aagcggtaga gatccttcct aagtggacgg agattgatgt tgatgatgca 120
ctggagctcc tcggaccgac tttcgataat actactgttc gttcctatgc tgtagatagg 180
ctccgaaagg cagacgacga agagctgctc ttataccttc tgcagctggt acaagcgctg 240
aagtatgagg aaaattctcg gggcgccgcg catgactcgt ctttggcaaa cttcctcatc 300
acccgagctg ccaacaattt caagcttgga agctatctgc attggtatct catggtcgaa 360
tgtgacgaca ctagccccgg caccctgtcc actcaacgca gacttttttgc ccgagtggaa 420
tactacttca tggccgagct cgagcaagtc tccccagaac acaggaagac actactgcgg 480
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gtccatatcg atcctccact acctcttcca ttggatccag aagtgtcggt aacaggttgc 660
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gcgtacacca ccctgcgcaa atcggcgaac ctaatactca atttgttcag tctgatggtc 1320
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aggttcacct cgagatga 1398

<210> 17264
<211> 759
<212> DNA
<213> A.fumigatus

<400> 17264
gcacgtaaca gcgagaaagc acagtcgatg ctcttccgct tccgggcaca acaagccgcg 60
gatctcggaa tcatcgacat tggacggacg cgtcggccca aagccatcac ctctgtggat 120
tcgatcccca gctgcgagaa atggcgcggc caggtcctca aagaaatctc ccgcaaggtg 180
tcccggattc aagagcccag tctatccgac taccagatcc gcgacctgaa cgatgaaatc 240
aacaagctga tgcgcgaaaa atgggcgtgg gaaatgcaga ttcggaacct gggtgggccg 300
aactatatgc gtggttcggg acgggtatat gatgacgagg gccgggagat ccccggtggt 360
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gaggctgcgg cgcggcgggg gcggaggccg cccgaagaag aggaggagga ggaaggaaaa 480
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gatgaagagg atggatcgtt acttgcgtat gagaggcaga aggagaagga ggctgtcgag 600
tacctacgag ggcagaagga tagtgatgcg gaggatgggt gggagccgct tcccggcgac 660
gctggcgatg gggttgaatg gaggttgccg acgctggaag aggtacaaga ggagcttgtg 720
gaccggaggc gacgccgact gctggacaaa atttcttag 759

<210> 17265
<211> 312

<212> DNA
<213> A.fumigatus

<400> 17265
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atccttgaag ctggtgtcgt ggcggtccca gacgcacatt ggggggagcg acccaaggca 120
tttgtgactg tgaagcaggg gaagcagatc gatggacaag aagtgatcgc gtgggccaag 180
aataacagtg cgatcagcaa gttcatggtc cctcgggagg tggaagtggt ggcggagctt 240
cccaagacga gtacggggaa ggtcaggaag aatgtccttc gagaatgggc gaaaagggga 300
agtcggacat ga 312

<210> 17266
<211> 759
<212> DNA
<213> A.fumigatus

<400> 17266
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ggggtcgtcc aagtaacgga caggtcaatc ctatcctttg ccgaaaactg tcctgctatc 120
cttgaaatcg acctgcacga ctgcaaactt gtcacaaacc cgtcggtgac ctcgctcatg 180
acgacactac gaagccttcg tgaactgcgg ctggcccact gcgtcgagat cagtgatgcg 240
gcatttctaa atcttcccga gtcgctctcc tttgatagtc tccgcatcct ggacctgacc 300
gcatgtgaga acgttaaaga tgatgctgtc gagcgcatcg tcagcgcggc gcctcgcttg 360
cgaaaccttg tcttggccaa gtgtaggttc atcacggacc gcgctgtgca ggccatctgc 420
aagctcggaa agaatctcca ttacgtccat ctgggccact gctccaatat caccgatccg 480
gcggtaatac agctggtgaa gtcttgcaac cggatcagat acatcgactt ggcttgctgc 540
aaccgtttaa cagataacag cgttcagcag ctggcgactc tgcctaaact tcgacgcatc 600
ggcttggtca agtgtcagct gattacagat cagagtattc tggctctggc gcggcccaag 660
gtgtcccctg atcctcttgg tacgagtagc ctggagcgag tgcacctcag ttactgcgtc 720
aacttgacag tgccagtaag tttccggaca tcagtctag 759

<210> 17267
<211> 462
<212> DNA
<213> A.fumigatus

<400> 17267
caccaactag ccgttaatta ccgactcaag gaagatgata tcgcatatat cttcacgcac 60
tcggacgccg atgtcatcat tgtggacaag gaatatctcc cactgttgca agcatatcga 120
gcggcaaagc cagaaatccc cgtcatagtc gacacggaca cagattctac agaaggccaa 180
ctctccggtc cttttgacga ggctgtttta ttaggtctca agtatgacgc tgacacaggc 240
gcaaagggct gggatgggct ggaaagccag gctgcttccg aagacgatgt cattgcgctt 300
gcttatacca gtggcacaac agcccgcccc aaaggcgtcg agtttactca ccgtggctgc 360
tacctagctg ccctggccaa cgtgatcgag tctggcctga attctcaaca aggccgctgc 420
cgttatctat ggactttacc tatgtttcat gcaatgggtt ag 462

<210> 17268
<211> 717
<212> DNA
<213> A.fumigatus

<400> 17268
tctgctgtca tccggctaac tcttccaggc tggacatttc cctgggcagt gaccgccgtc 60
cgtggcaccc attactgcct gcgaaagatc gactatccgg agatttggag attgctgaag 120
caagagcaca tcacccattt caacgcggct ccaacggtga acaccttgct gtgtgctgcc 180
aacgaggccg agcgacttcc gcggccggtc caagtcactg tggcggccag cccacccacc 240

ccacatctct ttgagcagat gaccaacctg aacttgcacc cagtgcatgt gtacggaatg 300
acggagacat atggaccgat taccaagggg tactacatgc ctcagtggga tcaactgccc 360
gcggaagaga aatacaagaa gatggcaaga caaggacatg gtttcgtgac tagtttgccc 420
gttcgagtca tcaagacgga tgtcccagaa ggaaccatta ttgacgtcca gcgggatggc 480
aaagagatag gagagatcgc ttttgttggc aacatctgct cccgaggcta ctacaaagac 540
cccgaggcca cgcgaaagct cttcgcgggg ggcgtcttgc actccgggga tctggcggtc 600
tggcaccccg acggagccgt ccaaatcttg gaccgagcaa aggacatcat catcagcggt 660
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<210> 17269
<211> 327
<212> DNA
<213> A.fumigatus

<400> 17269
gaggttcagc ggcgggactg gaaccatcag ttcttatttg cctcccatcg accgtcaact 60
aatcatccat cactttggca gccaccgccg accctgtact gtgctgactc tctcttttct 120
agccgcccga tcaaacagct agctctttgg gttccctcga gagatcccac ccacccacca 180
tacctgaagt tttctttcag ccatatcact acgcaacgca tagaccgtct ggataatgct 240
acttactctg agcataaaat ctcgataact ccaccacgga cgtctttccc tccccgatcg 300
agcgtttgtc gtttccctgg tcaataa 327

<210> 17270
<211> 861
<212> DNA
<213> A.fumigatus

<400> 17270
atagcgtatc tcatgctgct ggagaacctt gatcagacaa ccctcatcac aagacctcct 60
caggcttcac acccgctatc cagaatgccc cgctcacggc aaccacttcg cttctcaagc 120
gaagttccct ccgagtcctc gtcatccacc tctcccgatc gtaccgtcga tgatgatacc 180
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gagccacgcg atcagggccc gagaaacaca gtaattcctc cgatcggacg tctaccgccg 300
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aataactggg acaacctgaa gagcgtaaca gcatccgtgg gaaagccgga tggtttattt 480
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ggcaccgtcg tccccttttgc tcagtgcaag cgtattgagc ggttgacctt gacgaactgt 600
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ctagatgtct cggatttacg ataccttacg gaccacactc tatatacggt tgccaggaac 720
tgccccggc ttcaaggact caacatcacg ggttgtatca gagtgacgga cgactcactc 780
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gattcccgtt gcctctgcta a 861

<210> 17271
<211> 342
<212> DNA
<213> A.fumigatus

<400> 17271
ggaatacatg ctctgctaaa caattgccct cggctcacac atctcagtct caccggggtg 60
caggctttct tggatccggc tgtcacccag ttctgccgcg aagcacctcc ggagtttact 120
caacaacagc gagaagtgtt ttgtgtcttt agcggtgaag gcgtcaatcg acttcgggac 180
tacttgaatc gcagtcctga ccccccccgt gaaatgaccg aagctacaat gtatgatgat 240
gacgaagagt tggatgagga cgaaggtcaa gtgactggcc tgatgcacgc gacagtcata 300
aacgacgaag actatatcga tatcggacat gctcacggtt ga 342

<210> 17272
<211> 579
<212> DNA
<213> A.fumigatus

<400> 17272
tatccatctt cgctactccc cctcactatc gagatgatcc aatacttggg atgcctcttg 60
caagttcgca tcatcgcatg ccatcacagg cttggcagca gtgggtccca tagaggatta 120
gtgtcgatag tgggaaaaat gtctcgattt agtgcctgcc accagaaagg ggcaggccca 180
tggataccct caacagcact cgcgatctcg tattctcaat gggattctac ttcagccgac 240
acaggtcatg tccgacttcc ccttttcgcc cattctcgaa ggacattctt cctgaccttc 300
cccgtactcg tcttgggaag ctccgccacc acttccacct cccgagggac catgaacttg 360
ctgatcgcac tgttattctt ggcccacgcg atcacttctt gtccatcgat ctgcttcccc 420
tgcttcacag tcacaaatgc cttgggtcgc tccccccaat gtgcgtctgg gaccgccacg 480
acaccagctt caaggatgtc gggatgggta acgagcatcg actcgagagc aacggatgag 540
atgttctcgc ctcctgttca gttatggtca gcattgtga 579

<210> 17273
<211> 408
<212> DNA
<213> A.fumigatus

<400> 17273
gcgagcgccc agtacaccga cagcacagtg agcaaatact ggtgcgagcc cgggaggaac 60
tcaaggaaga tggccgagtc aacggggagg ttcccgccca cgccgatgga ccacagcgcg 120
ttgaagacac ataccgccgc gaaggtgggt gagccagctg caacgagccc aaatactgca 180
gtcagaccga tggtcagatt gaaggcccaa cggcggccga agatatcgca gccaaagccc 240
cagaacagag cgccaatgag caggccgata ttctgggcta gagtcaagaa tggcggactg 300
gagatgtgga attccgatgt aacaggaccc agaatgagcg aggtcacaat cggccagagg 360
ttatcgcttg cccagccaaa gccgatgaca ataaagagct gccattga 408

<210> 17274
<211> 228
<212> DNA
<213> A.fumigatus

<400> 17274
accaagttaa cgatgcaggc tcttatactc ggttcacggg gaacctgctt agtgatcatt 60
tggctaataa aagtcacctt ttatgactat gatcatgata cacatgatca gatgagacta 120
aagtctggaa ttgagacctc atgcggaccg aaatcgaagc gtatggagtc catacaactc 180
gaaaatgttg tcggtatgta tggaacccta ttatcgatc gtgattaa 228

<210> 17275
<211> 894
<212> DNA
<213> A.fumigatus

<400> 17275
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atactgacct ggttcaccgg tctcgagcat tttgccttta cttacatcta caatcgctca 180
tatgcctggt actacagatg gaattactct aatatcggag cggctctcga tcgtcacaaa 240
gagacgttga agtcgattct gatccaactg tttgggtaca gcaggatagg ctccttcgac 300
ttgagaagct acaagagtct aagagttctc gagctctctc tccagaacat cgtagttgaa 360
tctcccgaag ccgctgcgac caaactcctc gcgccgaatt tggagctatt agtgctcaac 420

ttcgggacgg tagaccgcaa gaaggccaaa tacaactgta tcgaaaagcg cgacgaggag 480
tggttagtgc aattcggaga acatgcgtcc aaaatccgaa agtccctacc tcgagtgcac 540
gccaaaatcc ccgcctacgc gtttcgaggc accgagacgg agctttggga cgctcgctgc 600
acgtttgagg acctcgacaa tatccaggac gagctgcagg gatacggcat tgacttcaca 660
tacaatgacc ctcctgtctc cgaagaggaa ttccgggaat ggatacgaga caaggatgaa 720
atggacttgc ttgggggggct ttggagatat atgaaccgtt atgctgcata ccactcagac 780
gaatcagatt ctgggtttga atctaacgcg ctggacacca aggaccatga cgaaatggcc 840
cagcaatcta cggacaaatt ggataccgag gttgaggaag aggcccagat ctga 894

<210> 17276
<211> 837
<212> DNA
<213> A.fumigatus

<400> 17276
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atcaacattc tcgctgactt cctcgccttc aaccaaatcc cctcaacttt tcctccatca 120
gatgcggcag acgtcctcgt cctctgcgtc tccgccatcc ttcccgtagc agagaaagtc 180
ttcgcgcatc tcgaaaagaa cccaacagca atcaaaactc tggttctctg cggcggaatc 240
ggccattcca cgcctcatct ctatgaagct atcgccaacg atccacgcta cgcgcatctc 300
ctcccggaga ttgacggact accagaagca caggtccttc accacatttt caggcagtgt 360
tttgatgcac cgaggattct gagctcatgt cgtgtcctca ttgaagaccg ctcgacgaac 420
tgcggcgcca acgcaattga aacgaagagg cttctcgagg tgaatgggat ctgtcctgag 480
agtatgctga ttgtgcagga tccgaccatg tctcgacgga cggttgcgtc gtttgagaag 540
gctttttctg gacagaggac cctgcggttc accagctggc ccacttttgt gcccaaggtc 600
aggcttgaag gaggcaggct ggtgtatgat gagtctgccg ggattgaggc gtcacggttg 660
tggaggttac cgcggttcct ggggttggtg atgggggaga ttccacggct cagagatgat 720
gaggaagggt atggtcccaa aggaaaagga ttcattgtgc atgttgatgt tccagatgaa 780
gtagaggaag cgtggaagag aattaaggat gcggagatgg aatgggagag acggtag 837

<210> 17277
<211> 522
<212> DNA
<213> A.fumigatus

<400> 17277
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gtcctcctct tcatcacagg atgtatcatc agcttcttgc gatatacgct atatccggag 180
atcttcggag ctatgatcgt ccattctgtg cagtcaatgt ttattgggac gttccccatg 240
ggcttgaata caattatcaa catgtgttgt ttcgtctgcg tcccagcgtg gggtgaatgg 300
accagaaact ttgcctgggg tttatggatc ttcgacgcca tattatcagt ggtgacggct 360
ttgtcgttgc ccttcttgct gtacgtcttc cctctcttcc aaacttatcc gactgtgact 420
ctaaaatcct acagcatggc ccatgggaac gaaacgcaac tctcctccat gacagccatc 480
tggcttctcc caatcgtaag ctgcatcgtt gcagcctcct cg 522

<210> 17278
<211> 255
<212> DNA
<213> A.fumigatus

<400> 17278
caggcttcgc agcgaatctt ccaaagtcac gtcgacaaag accttgatat agtcaccttc 60
cacatccaca tctctgttgc ctgcaaatac tccagcttct tctacccagc cgtcatctgg 120
tccggggtcc gatccaccgg cgacgtcgtc aacctcccag actacgagtc cgacacgttt 180
gggctctacc tgcagtggtg ccacgccaat atccatcctg tcagcgaaga atcggaagag 240

aagccagagt actga 255

<210> 17279
<211> 1068
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1058)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17279
atcaaaatgg cggatgatca tgacaaactc aacgactacc ggctcaacgc cgccaccctc 60
aacactgcca tccagagtat tggcatgggc gcctatcaat ggcagctctt tattgtcatc 120
ggctttggct gggcaagcga taacctctgg ccgattgtga cctcgctcat tctgggtcct 180
gttacatcgg aattccacat ctccagtccg ccattcttga ctctagccca gaatatcggc 240
ctgctcattg gcgctctgtt ctggggcttt ggctgcgata tcttcggccg ccgttgggcc 300
ttcaatctga ccatcggtct gactgcagta tttgggctcg ttgcagctgg ctcacccacc 360
ttcgcggcgg tatgtgtctt caacgcgctg tggtccatcg gcgtgggcgg gaacctcccc 420
gttgactcgg ccatcttcct tgagttcctc ccgggctcgc accagtattt gctcactgtg 480
ctgtcggtgt actgggcgct cgctcagctg ctcgccaatc tgattgcctg gccgattctc 540
ggcaatctca cctgccccga tgaagagact tgcacccgtg ctaacaacat gggttggcgg 600
tactttctca tcgccatggg cgggatagcg gcggtcatgt gtctcctccg ctggacctgt 660
tttactctgt atgaatcgcc caagtttctc atgggaaaag gccgctacga agatgccgtg 720
gccgtcgtcc acgaagtcgc ccgccggaat ggctcctctg cctccttgtc tgtggacgac 780
ctcatcaccc ctgaaacctc cgcagagcag ccccccactg tcggaacaaa cgtgcttatc 840
cgccaccggc tggatcactt gaccctcagt cacatccgag ccctcttcga taccccggc 900
cgcgcctgtt ccacttcgct gcttatcgtc gtctggggcc taatcggcct cggtttcccc 960
ctctacaacg cattcttacc ccacatccaa caaaccaagg ccgccgaatt tggcgatggt 1020
tcaaccggtt ctgaactaac cggactccct gatcatcncc ggcggtag 1068

<210> 17280
<211> 507
<212> DNA
<213> A.fumigatus

<400> 17280
ttgctgatat ctacctcttt agtcaatatt tcaagcacac taatatctcg tctttcgttc 60
gacagctcaa tatgtatggt tttcataaag gtatatgact ttcgacgagg gtgtgaatgg 120
gttcgtactt ttgctgaccc tttacatcat atagtgagcg atgtctttca cacgggctct 180
ccagactctg cattatggga gttcaaacac gggaacggga attttaaacg gggcgacctt 240
gtagggttgc gcgaaataaa gcgccgagca tcacgacatg ccttgatcca tcgcgactca 300
tttcccggcc acaagaccgc tgtttctcaa cctggcacgc cagccgagcc cgtcccagat 360
gcgactgaag cgcgattgct taatttggaa cattcgctat atgacatgca tacccgtttg 420
agtcgcgctg aagaggcaca tacagctctc aacttaagat gtcaagccat ggcggagagc 480
ttggccagat gccatcatgt tcgttga 507

<210> 17281
<211> 228
<212> DNA
<213> A.fumigatus

<400> 17281
cagcttctgg ttatctgcag atccgatctt ttaacgcgcc tcgtccgcga tactttcctg 60
tccttccacg gctctccctc tcgaccctcg tcgatttcat gctacacctt cttccgagac 120

tacggagtag attggaacga gtggagaaca aaggggcaaa gaggaacttt ggactggtct 180
aagactcttc acccccccgtt gagtctggtg ggcgacaaaa attcttga 228

<210> 17282
<211> 2598
<212> DNA
<213> A.fumigatus

<400> 17282
caaaacgaat cgcgagcagc tgcagaagag gcaacgcgac tggtgcttga gttacaaaca 60
atcgcccgag atgctggcca tcctgtgcct ttacttattg ccttggacca ggaaaatggc 120
ggtgtgaata gcctgtacga tgaaatctac attcgacagt tccccagcgc aatgggaatc 180
gcagcaactg gctcaaagtc actggctcat gatgtcgcat atgctacagc ccaagagctg 240
aaagccgtag gggtcaactg gatccttggc cctgtactac acgttttaac taacgtacga 300
acccagccgc tgggggttcg cactaccggc gatgatcccc aggaggtgtc gcaatatggc 360
gttgagttta tgaaaggcta caaaaaagca ggattggtga catgtggcaa acactttccg 420
tcctatggta acctcgaatt tcttgggtct caaacagacg ttcccatcat caccgagtcg 480
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tgtttgagtg agcaggttgt tgatgacttg ctgcggaaag atttgaaatt caatggtgtg 660
gtggtttctg agtgcttgga gatggaggct ctcactcata atatcggtgt cggcggcgga 720
acagtgatgg cgaagaatgc gggctgtgat ataatcctct tgtgtagatc ctttccggtg 780
caacaggagg cgatcaatgg tttgaagctc ggggtggaga acggcatcat tggtcgggct 840
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caagccctga accctccggg gctgccatct ctaatgcaga tgcaaccatc tcataccagc 960
ctctccaaaa gggcatacaa caactctatt tcagttgtac gtgataagca gaatttgctt 1020
ccgctgtcca acatcattga gcctaatgag gaattgctac ttttgactcc gcttgtcaag 1080
ccactgcccg catctgcagt ctctcgttcg gtgacggagc acatgaatct ttctatcgac 1140
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agttccccat atgattttgc catggatacg tccattggta cctatgtctg cacttacgat 1500
ttcacagaga ccgctttgga ggcgttggtc aaagttctct acggagaatt gacaccaaaa 1560
ggctcattgc cgggttctat cagccgcagc cagaagctcc atcaagcgcg gcagcactgg 1620
cttgtagaaa actggaatga agagagagat gcccagtcct tggatacttt actggatgca 1680
gtcagagcgg attgcgcgca gggtcagcgt tctgagctgc taggtgtgac atccagcagc 1740
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caggctttgt acgtattctg ctcgacttat ttctttaggt cgacgggcac aggcgttatt 1860
ggatctttga ttgttgatcc tgcaagacgg aaattatcta tcgggaactc actgcacaac 1920
cgcgcaatcc gaacacttct tcagcgaaag ggaatgagga ggtttcagct aggttctcga 1980
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cagtggtttg ccaaccttgg ctggaacact gccctttcac ggccggtttg cagtgtggtg 2100
ctgcggaatc ttccaacatg gacgccgcct gatggcctca tacaggggtt gaaaaatgcc 2160
gacgtctcct acgatcttgt tcatgggtgg gattacgcgg agcctatcct tgatcacatc 2220
aagacgaatt ctcgacaagg acttattgat atatacaaga tcgctttggg aggagcacca 2280
aactgtggca taatacgggc catgcggccg agcgatggag caattctggg taccgtggtg 2340
atatacaacg gacggtcgtc attggcagag cacgtgcctg tgctgaaagc cacacaaccg 2400
tcgagcggag gcatatcgtc tccagtaatt tctccgtctg ttggcgagta tgctacggtg 2460
atgcaggggc tcgtattact gggtatcaaa caaattcgga gacaaggcgc agaggctgtt 2520
gtcattgact gcgtaagttc aaatcccctt tatccagcgt tccaatcatt ccgttcactc 2580
ccccggctca cgggttag 2598

<210> 17283
<211> 285

<212> DNA
<213> A.fumigatus

<400> 17283
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aatgagcatt atttgccatc cagtacctgt ggtccattca acctgatttc tgagttcgac 120
tccgtcctag tccacggcta cgtgcgtaag gagacaaagg acgagattga ggccgagccc 180
ctactatgga atgacaagcc acttggtggt gagggtctta actcagtatc gaaaagcgat 240
cacgccgaag aacaaggcca cccagcaaat gatcatttct gctga 285

<210> 17284
<211> 573
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (556)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17284
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gcgcttcgcc gtgcgatcgc agccggcagt cttcccacgc caaccacaac ctccgacctt 120
tcggatgaca atgcgaccga ggacctggcc aaggctaccc atctgtactt ccgccagcca 180
attccccaga ccattccgct gacggcgtcg acgcgcttcg tctccgcctc gtcagactcc 240
gcggtcgatc tccgtagcat cttcttcgct tggcagaaga aagatgtcgc aattcccgag 300
tacatcgcct cggcgcagga attgaacgag tcgctgaagc aaaaggagcg caaggaaggc 360
gagccagagg agaaagtgca gaatctggtc ttcgtcgagc ggctggatct catcacttgg 420
ctggaaggcg cgtcggatga gagcgagtac atcaaacccc ttgagggtgc ggcggcggcc 480
gcgccctctg ccgctccggc ggacgcgtct gctgcgattg ctcctggggc tgcagggtct 540
tcaccgcggg gctgcnagtg gacgtctatc gat 573

<210> 17285
<211> 2931
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (875)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17285
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ctctgtcaga ttatgacaga tacctcccca gtcgccatca cgcattcaac cacggagccc 120
tatccggtca ccgtacccct aaactcaccc gccctcaacg gcgccgtttc cgactctgcc 180
gcccctgacg aggaggagcc gtataccatc aaatgcatct gcgcattcga agatgacgat 240
ggcaacacgg tcttttgcga agggtgcgag acttggcagc acatcgaatg ctactatcat 300
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aagcgtgcca ccgagcggca gagacgtctt agggagatcg gtgacagcgg tgaccggaaa 420
gcgaaacgtg ccggagcaaa aggtcagaga aaaagggtca aggaccatgg tgacaaggtg 480
aatggattcc atcagcgggc ggactcgatt gctcgagacc agccccctgc caaaaaggcc 540
aaagccaccc atcgcgcctc cggatccatc agttctcttc ctggtgctgc gccattccca 600
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atcccccttt actcaaatga atttttacat ctctatgacc atgatcagga ctatgccccc 720
atgaatagca acctctttgt caacctccct cttgcggcgg acctggcatc ctgggtgaca 780

gagccgactg cgctcgctcg ggtttccaat gggcgatcat ctcgtgacat cttcacctgg 840
tcggatactg cgctggaccg gtcgctctgg ccttngctat ctacagaaac aatcaccgat 900
cccagcatca atatcgaagg gcggcatccc acatggaagg tgctaaggac tcgcgagagt 960
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caccccagc tccccattta cattgacagt cgacacgagg ggagtattct tcgttatgtg 1140
cgccgctcat gtcgacccaa tgtcacgatc aagacttaca tcaccaacga ggtggagtat 1200
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gcgtgcgagc ctccagctaa ctgcttactt gccagcgttg atcgccggcg gcacccaaag 1440
gcgttggagt cgaagcaggt caacggtaag cggaagaaag caaaggcgaa atccgccgcc 1500
tcgccgcccg cgacaaacag tcgcgcaagt agtgaaacga ccaagaatat ggaggatgac 1560
gatcagcccg acagtcgttc cacatccggg tcttcacggg gccagccgcg cagtcgggat 1620
cttactccta cactgcagca cgatggcgag tctgagttgt ccgctcgaga aaagcgcaag 1680
attgcggcag cggaaaagaa atttcagcag ctagaacacg atcagcaggc gcacaagaag 1740
aagaagcgaa acagtggtca agcaaccctc gtacctcagg cccaggtaag ccagtcagcc 1800
catcaggctg tatcagccca aggtcattct cgctcgtcct cttcagccca gccctcagga 1860
tccatgtcga ggaagccctc cagtattgaa gcttctcacg ggcggtctcc gctgcgacgt 1920
tcgcactatg tggactcggc tattcagacg gagcccgagg ctgatacgtc aatgctctcc 1980
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ccgtcagctc cttggatgtt gaccaagcct ccattccccc ctccttggcc gtccactgct 2340
gcccacaatg ctcggttacc aggaagcagg gtgaacaatc accgtacaaa tctctgggtt 2400
cctcttcctc ccgctactca ccccgcaggg ccgactgcca tcagtccggg gtcggcgacg 2460
gggtcgacgg tgtcatcgcc atctaccctg gatgcaccag cgcaacctgc cgcggcaact 2520
ccagggtctg gggtgactgc gccgagccct gtcaagaaga agcttagtct tggcgattat 2580
ctcagccgaa gaggagcact gaccaccccg acatccgaga agagccaagc gcaagcgact 2640
gccatgcttc ctccacagaa gcctgtttcc gatcaatcaa ccgcaacccg cgatgtgtct 2700
gcgccggtgg acacactgca ccctgagatc aaagtgactg gagaagctga agcaactaag 2760
cgagaaagtc ccacatcacc ggacgtgact gtgaaaggcg cttctagttc ggggccgacc 2820
tcacatgttc cctcgtcttt ttctaagcac aattgtctgc tggtaacgct cgctgcgctt 2880
ctgtggcaat ttgcgggatc tttctttttg ttcttccacg ttgtctccta a 2931

<210> 17286
<211> 216
<212> DNA
<213> A.fumigatus

<400> 17286
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caaatgaaaa acgcgctgtg gtgtattgtt gggcggttga gggcttcaaa taacccgttc 120
agacccaaca ggcatgccac ctaccaccaa atcgatggtt acacgtcttt actcagttct 180
tgcccaataa tctacaacac ttgcggtata gagtga 216

<210> 17287
<211> 240
<212> DNA
<213> A.fumigatus

<400> 17287
aaaatggcgt tcccctacaa aaacgttttc attattggag ccacctccgg cattggcaag 60
gcgttagcca acaagctggt gcagaatggt attccaacca tcattgccgg gcgcaggcag 120

ggaaacttgg ttgacttcgt ccagcaacac ggcaccgaca aggtcaaatc aaaggtcatc 180
gacgtcttgc aacttgacaa ggtatgcctc tccacaagat tccataatgc atgtagctga 240

<210> 17288
<211> 606
<212> DNA
<213> A.fumigatus

<400> 17288
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aactccggca ttcagcgccc gtttgacttc agcaagccgg agtctgtgga tatggatgtt 120
ttcgaccaag agctgatcac gaattattcc tcggccgtgc gcctcgccaa ggcattcatt 180
ccccacctgc agaggcaatc gactgctgcc atcgccttca ccacctccca gatggccctg 240
gttcccatga agcgctgtcc caactacggt gcctccaagg ccgcgctgca ccattttatt 300
ctcgccctcc gaacgcagct tcaggatggg cccgggaatg tcaaagtgat agaaatctat 360
ccccctgctg tgcagacgga gttgcacgac gccaagcacc agcctgatct caaagacggc 420
catctcatag gtatgccact gtgcgagttt atcgaggatg tttggtgtca gttgtgccac 480
ggcaaggagc aggtggccgt tggttcggcg cgagagatct tcgaggcgtt tgagatcaag 540
agacaggagg tgtattatca aatgacggag atgttatcca agttattgag gcagttcttg 600
cggtag 606

<210> 17289
<211> 678
<212> DNA
<213> A.fumigatus

<400> 17289
caagatattt tcgtttgccc aaagagcatc tcaatgctga tgaaatggcc ttacagacca 60
cgaggccacc gcgcagcagc aaaagccaac acgcatggca acagatacga tacaagagac 120
tcctcctcct cctttgttgg tcatcgtcct tctagctcgg ccaactcagt ttactccgcc 180
gtcagggctt ctgaaagttc tgcctcatta cctggcacca attcgcagtc cccaatgtct 240
gacgcctcca tgcttacacc ccctgccatc aacagtgctc atgaacctag cttggactcg 300
gattcacatt acagatcgag acgacagagc ctcggcagac catcttctgg cgctgaggat 360
ccgaaccgac ggtctgtgga aggcatttca gcccgtgcta cacccgatta cactgagata 420
ctgatggaaa tgagagatct ggaccctcat gatccccttg cgcacgagtg gaacaccgat 480
cctttcgaac atgatgcgga actcacaact cactacgtcg agaactactt cacttatgtg 540
aacgacagct tatattatat cttccccaga aggcgtttcc tcttgtggtt aaggtcgtgt 600
catgcgaagt cgctggagga caaaatgctt ctttactcaa tgatgacctt ggggagccat 660
tttctcagat cggcctga 678

<210> 17290
<211> 1005
<212> DNA
<213> A.fumigatus

<400> 17290
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ttcgggcgta tgttacctgt taccgaccga aattctccgg agagggaacc agagcgttca 120
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<210> 17291
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<212> DNA
<213> A.fumigatus

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attccggctg cgattagttc ctcgctcact gtcctgcttg gacacggagt ctaccaacaa 180
acgacttttt ccttcctcta a 201

<210> 17292
<211> 252
<212> DNA
<213> A.fumigatus

<400> 17292
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accaacttcc cccaccgcgc acaatggagt ctctgcagtt tggaacagac ccctttctct 180
cccggcgaaa tctggaagga aatggagact cccgactcgg ctcaagtgct catggacatc 240
agccagtcat aa 252

<210> 17293
<211> 420
<212> DNA
<213> A.fumigatus

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gtacggccaa ggaaacctgt tatcaactgc tctgctggtc gcgactccga cagtcgcctt 180
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gaaatgcgga ttctgatgct gggtttggat gctgcaggaa aaaccagtga gtttcagtta 300
cgaggaagac taaatggaat tgcctggaag ctcaccagcg tcacccgcag ctatcctcta 360
caaactaaag ctcacgaatc aggatgtcac cactattcct actgtcggtt tcaacgttga 420

<210> 17294
<211> 258
<212> DNA
<213> A.fumigatus

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acgaatcagg atgtcaccac tattcctact gtcggtttca acgttgagag cgtcacctac 120
aagaacgtca aattcaatgt ctgggatgtt ggtggacagg acaagatccg tcctttgtgg 180
agacactact actcgggtat gaaccgtcac gtttggtgca atatctcgtc tattagggta 240
cttactagca ttcggtga 258

<210> 17295
<211> 291
<212> DNA
<213> A.fumigatus

<400> 17295
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gtcttccatt ttcgctcttc tatttccttt ttctccatga tatccccctc tgtttctgtg 120
cgggtcattc atacataccc ttttactaat aatccacctg tcgtcctttg tacctctgac 180
tgttcaagcg ccattcttgt cgaatacatc tgtttccgtg actttccgtg tagaaagaac 240
ccaaatagat ggcagatttg gactagcaca tacaatggaa gtttacagtg a 291

<210> 17296
<211> 414
<212> DNA
<213> A.fumigatus

<400> 17296
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cataatgccc gactacagaa aaggagaaaa agtccgctac aagcctgtcg gaggtatgtc 180
cttcctcagt ccatcaaaac aaatggaaaa agatggctag atgctaagct cattcgatta 240
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actcaaatga cgggtcgcaa tgtagctgct tcggacgaag agccacggta cacggtgagc 360
tactacttca ttcagtgtgt tgctggcgga gctaactggg gggggaaaga ttga 414

<210> 17297
<211> 612
<212> DNA
<213> A.fumigatus

<400> 17297
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cctatctcac cacagacatc tcagctctgg gggtcgagcg cgcccttacc gggtcgtggg 360
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cagacagctg ttgcgggaag gctgattgcg ggcgcgttgg ggatccgggc tccaaagagg 480
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cgggaaaggg aggaggaggc gaagagaaaa gaggaggagg agagggcgaa ggctgctgtt 600
tgggatgaat ga 612

<210> 17298
<211> 231
<212> DNA
<213> A.fumigatus

<400> 17298
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gagtgctgta atgctttcta ccaagagaaa ggagaggatg caaaaactcc cagttgccct 180
aaaccaagct tgctgaagct gaggattaag cagcaatctc aaggcaatta g 231

<210> 17299
<211> 192
<212> DNA
<213> A.fumigatus

<400> 17299
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caccagcaca gaagggccgc tcgatcctcc cccgacacct atctcaccac agacatctca 120
gctctggggg tcgagcgcgc ccttaccggg tcgtgggttg agctcgtccc caccgcgagg 180
gtcagggtct ag 192

<210> 17300
<211> 204
<212> DNA
<213> A.fumigatus

<400> 17300
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gccaagcctg acgcttccgc catttatgtc ccgggaaacc agacagcaaa ggccattgaa 120
gaagcgattg aggcagagat tccgcttgtt gttgctgtag cggagcatgt tcccattcat 180
gatatgcttc gtgttagtag atga 204

<210> 17301
<211> 471
<212> DNA
<213> A.fumigatus

<400> 17301
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cgtatcggat tccaaccttt accgtgtttc tcacccggga aagtcggaat tgttgctaaa 180
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<210> 17302
<211> 264
<212> DNA
<213> A.fumigatus

<400> 17302
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cacagagctc tcgagagcgc tggagtgaca atggtcgatc atccagaaaa gtttggtcag 180
ggtatgaagg cgcttttagc tcgcagaacc ctgacgagtg ctacggtaag tattgttcga 240
tggccctgtg catcgcgaga ctga 264

<210> 17303
<211> 354
<212> DNA
<213> A.fumigatus

<400> 17303
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gccctgtcca tccacggcgg tcactgcgcc aacttccttg acacaggggg caaagcaacg 120
tccgaaacgg tcaaatcgtc cttccgaatc attcgatcag atccacgggt caaggccatt 180
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<210> 17304
<211> 285
<212> DNA
<213> A.fumigatus

<400> 17304
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acaacacagc tgaaaaagct catggacgcc ttctgcgagc gccagggaaa gcagctgtct 180
accgtccgtt tcctgttcga tggtacccgc gtgcgccccg aagacacacc tgactctgta 240
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<210> 17305
<211> 255
<212> DNA
<213> A.fumigatus

<400> 17305
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ccctctcctc ctcctctttt ctcttcgcct cctcctccct ttcccgattc cgccggcgaa 120
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tcgccggcga cctag 255

<210> 17306
<211> 594
<212> DNA
<213> A.fumigatus

<400> 17306
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<210> 17307
<211> 2205
<212> DNA
<213> A.fumigatus

<400> 17307
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<210> 17308
<211> 207
<212> DNA
<213> A.fumigatus

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gtgggacctt ggcttaacca ttcttaa 207

<210> 17309
<211> 276
<212> DNA
<213> A.fumigatus

<400> 17309
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catcgaggta ggctcagaac tttttctgat ttgtga 276

<210> 17310
<211> 1233
<212> DNA
<213> A.fumigatus

<400> 17310
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<210> 17311
<211> 255
<212> DNA
<213> A.fumigatus

<400> 17311
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<210> 17312
<211> 951
<212> DNA
<213> A.fumigatus

<400> 17312
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<210> 17313
<211> 1992
<212> DNA
<213> A.fumigatus

<400> 17313
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gagattgacc tggaggacct ggatgccaac cggctgcgcg ccatcaagct tgcccagctc 1860
gagaaggaga agaacgagct caacgagcgc atccgcacca gctgccaagc gtatcgatca 1920
cctggagcgt gctttccgtc gcgaggagtt gaagcacatt cccgaggact acgaagccca 1980
gaagaagcgt ga 1992

<210> 17314
<211> 480
<212> DNA
<213> A.fumigatus

<400> 17314

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acaattgacg atgatatcac tctactggag agcttcaatg gatcattttc tcttcccgat 180
gtcaccagta ttcgcggaat catcacctat accggcccta ctgagacgtt taaactcacg 240
tcgatctcgc tgccggacgt gctgtaccta ggtggcatga acgttgatct cccaggtagt 300
caaaagatca taaatgtatc cgcaccgaaa gtgacggcca tcgactcgat caatttggcc 360
gtaccttcaa ccgccgcgat agactttcgg tcgttgaaac aagcgacgag tatctcgcta 420
acgggggaact actccaggta ttcagtctgt tcctgcaatg tccagcagac accggactaa 480

<210> 17315
<211> 216
<212> DNA
<213> A.fumigatus

<400> 17315
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aaccctacta cctatatata taaccaaggg aaaggcgacg gtcgagcagt atctccttct 120
ccagacattt cattcgtgct tgcattgtgt caaagattca cgacttggga tctttacaga 180
atcaccatct atagcggggc atcttgcggt ttgtaa 216

<210> 17316
<211> 198
<212> DNA
<213> A.fumigatus

<400> 17316
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gccgatgact acagatccgt ctccgaacta ggctacgtag tagtatatca ctactgtgta 120
tggagcaagt accctcactc tcggcttccc cgccttttg cccttctggc cagggtggaa 180
tttttgtcct ggaattaa 198

<210> 17317
<211> 2214
<212> DNA
<213> A.fumigatus

<400> 17317
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gtcctcaatg ttatgctcga agcatggaat tctggagagg ctgtcgcaaa ccttgctcct 180
ctagaaccag acctaccact tccgccaaaa ccagctcctg aagcggggta tcacgctgaa 240
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aaaaaggttc ggcagcatgt gtggctttgg ctacccctgc ggttccggga cgttcccgcc 2160
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<210> 17318
<211> 195
<212> DNA
<213> A.fumigatus

<400> 17318
tctctctctt ccccccccccc cccattcatt cattcattct ttttttttttt ctttatttat 60
ttttattatt attatctaat ttcagccttt tatcctttcc cttcgctttt ccttttcttg 120
ctcggtttgt tgcatctttg ctttttgtcc tcgtggttct tagtgcctct ctttttcctc 180
caggaagcgc tatag 195

<210> 17319
<211> 297
<212> DNA
<213> A.fumigatus

<400> 17319
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gaggactcat cgcccctacg ttgtggacga tccgccacgc acacggtctt cggagttgga 120
cacaggatca actccgccag tttcctgttg attcaggccg ctggtcaagt tcgacgattg 180
gatgactctc aatgcatgaa cattttcatg gacgaatgcg gcgtcctttc tgtggtcaga 240
gctttgatct gtattggacg cgacaggggg agtgtcccta ggaggactat ttggtga 297

<210> 17320
<211> 261
<212> DNA
<213> A.fumigatus

<400> 17320
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cgtttggttc caagggttga gcgcaccgtc tggcattctg tctcatccag aacgatgtca 120
tttgctttga tgttcaatta tgctattgcc aatcttccca atcagtcaac aaagaaaggt 180
atacatacta acgacttggt tgctgactct actacatatt acatgaacgc atctgctgcc 240
catcagtccc gtcagtgtta a 261

<210> 17321
<211> 471

<212> DNA
<213> A.fumigatus

<400> 17321
tggatcagtg tccctggagc attgatggct caagtctatt tcatacacag cacaatcaac 60
tcatctgatg ccacctccga gacctggccg gtcactgttg cctcccagtt ggtgcagtgc 120
ctgagcatcg tgacggccag cgcaccgcag tttatcccct tcctcaagca actccaatca 180
actggcatga gactcgacgg catgactcgc tacacgctgt ctagccatca taaatcgtcc 240
cgcggcaggt actacctctc caccgatcga agacgcaccg gcaatgagtc cactcatgaa 300
ctcgacaata ttcctttggc aacaaccaaa acggtggtga catcgaatgc gaatggtcta 360
gaagaggacc atgataacga gagtcagtca agccagacag gcatcatccg tgagactcgg 420
acttggacgg tgacagagga gcatacatgt ctgcccggcc acaacggatg a 471

<210> 17322
<211> 531
<212> DNA
<213> A.fumigatus

<400> 17322
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tccgatagac ggggaacacc gtgcaaattc tgcgtaacct tgtcgctcgt tgtaccccca 120
gggatcggaa tgatggtagg catacctggc ttgccgctca gggtcagtat ccaggccaaa 180
gcgatctggg cgggtgcgac gcccttgcga gaggccaggt ccttgacctc gttgacaagc 240
ttgatgttgt gcttcattgc gtcctcctgg tacttgggca gtgactttcg gaagtcgccc 300
tcggggatct cagatacgct agtgaaagca ccggccagca ctccgcgacc cagaggtgag 360
tatgcgacga ggggaatccc cagttccgca caggtctcgg ccacgccgtc gttcagggtg 420
tgggtgtccc agagagagag ctcaatctct accgcggcaa ttgggtggac tttgtgtctg 480
tttccggtcg tcagtaacag cgtagaccaa gcactagcaa ctcgaaagta g 531

<210> 17323
<211> 213
<212> DNA
<213> A.fumigatus

<400> 17323
cgatttgttg catcattcat ggtccacccc acatcggatg ccgaccctga cggacttagc 60
tgtcttatca ccggcgtcac cgcaagacct aacggagcac acacagtgcc tctctgtcca 120
tcttctacct atttctatga gttagccggg cgaaggggcg gttatcgaga aggcgaaatc 180
tgtgattacc ctggtttctc gctgtccgac tga 213

<210> 17324
<211> 735
<212> DNA
<213> A.fumigatus

<400> 17324
cgcccgccat ggaatggggt gccggaccca gttccaaatt ggcccagaat ttggactttg 60
gtgataagct cttccctgga ggagcatcgg gtcgagaaga aaaatgagcg cgcgaacccg 120
gatgataaga caaccaaaac ccctggagcg gttcatctgg ttcgccgggt cgagtatttg 180
ctgtcagtgc tgagggacaa gttgaccaac ggcaccaatg cttctgccag gagggctgtc 240
gagaaccatc atcgcaatca tcggagcacc gctcggacca acgtgagtgc cagcgtctcg 300
gcttcgcctg cgccgtctat cccacgcaag ggtcaccgtg aggccgaccg ttcaaggcac 360
cgttctcaaa cccatggtgc ccgtgacagt gtggagcgga accacactcc aggtcgggat 420
tctcgcccaa agtccgtcca ggagaatgac cgtcgtcgca aattgtctga cgcctcgagc 480
gaggatatcc gtcgtcgtaa atcgagtgag cgtaaatcta gcgataacgg caattccgac 540
gagatgcttc gtctcttgtt caaacctatt ctttcgtctc tggagcgagt ctctggtttg 600

actagggaca gcatgacaag caaagcacgc cgcgcctctg agttgcgcaa cctacttggc 660
tacatcggcg gattcattcg gaagactctc aaaggggaga attacatgcc gtcccttgag 720
attcgcttgt ggtga 735

<210> 17325
<211> 729
<212> DNA
<213> A.fumigatus

<400> 17325
tgcaacaaat cgttattaat gttcttcaaa ttgaccgagg gccgccgaag cataaataca 60
tctccttttc taatcttttg cgtgagtcaa atcgctgaat tacatctagg tgcacataca 120
ccggtaaaaa gaaaaagaaa aggaaaggaa aagggaaaga aagatgccgt ctctcgttgg 180
aaaagaagtc ggccctacgg ggtacggcat gatgagtatg tgatcaattc gcgtctctac 240
actcaattga atcctctact gaccaggaca ggaatgacat gggcccctca acttccctct 300
gaagagaaat gcttcgaaac actaaacacg gcgctcgccc tgggcgcgaa cttctggaat 360
ggcggcgagc tctacggcac cccggagtat aactcgttgc atctgctgaa caagtacttc 420
acgaagtacc ccgagaacgc ggacaaggtg gtgctgagca tcaagggcgg cctgaagcct 480
ggcgagcttg ttccggatgg ttcggaggaa aacattcgcc gcagcgtgga tgagtgtcta 540
cgtgtgttgg acggaaagaa gacgattgat atcttcgagt gtgcccggca ggatcctaac 600
acaacggtcg agcagacggt gactatcctg gctcagcttg tcaaggaggg caagatcaaa 660
gggattgggc tgagtgaggt gaatgcggag acaatccggc gagcgtacgt tctactttcg 720
agttgctag 729

<210> 17326
<211> 636
<212> DNA
<213> A.fumigatus

<400> 17326
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cgaaccgtcc acgagacaga agccctccga ccctctgacc ccgtaccgaa aggccacaat 120
gtcccagcct ctgcagtggg aacccctacc ggaacccccg tcagtaaact ccagcgcatc 180
agactgaagc tatcgcaacc gaaggacgag acagaccggc tcagcgagat cgccaacgat 240
gacgcagtcg tcgccgagga cctcgacgag ctcgaactcc ctgagttcgg tcctgagatc 300
gggttcgacg agcacgagct ccagctccgg ccttacgatc tctaccggct gcttcgtcgg 360
cagatccact gggccgagaa ggaaggccag gagctgaagg aggaatggga gaagattaga 420
ccgaagagga agcaggcgtg gctggagaag gagagcatct tcgacgatgt catcgacgcc 480
gaactccgcc tgttcagcgc cattgtggcc acggagggtc tcccaaccga atcaggtaat 540
gccccaaacg gtgtccagaa agtgcagcaa ggacatctag cggtggctga agcagaagcg 600
agtctgagcc gcgactcgat gtccattcct ccatga 636

<210> 17327
<211> 537
<212> DNA
<213> A.fumigatus

<400> 17327
ctccacatgt cgcagtcgac gcggtcatcg atgctcctga gcttcttcct cgtgaccatc 60
ctagccctat cctctctggg gtcggctcgt cccatctcca agtcaggaaa tggcttgtca 120
agatctggta tctattcgag atctgctagt cctagtcccg tacgtccctt tcaacccccc 180
atacttgcta ccggtcgact aacagatttg cagagagtaa tcccttcgag cggagaatac 240
cgcgaaaagc tcatgaagaa tatcttcgac tcactcggtc tcagcgcctt gaacaagcta 300
gacgactgga agaagaagct ggaggactcc gatatcatcg acgacagcaa cagtcccagc 360
agcaccgtca cagaacagaa caacgcctcc atcgtcgacg aatccacgaa tgactcaaat 420
gacgaagaga ccgagaacac tccggccacg gtcgatatcg tggatgatat cctctccaca 480

atgatcgaca agttccacga ggcattcctc actcaggatg aggttacact gatttga 537

<210> 17328
<211> 564
<212> DNA
<213> A.fumigatus

<400> 17328
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ctgttactga cgaccggaaa cagacacaaa gtccacccaa ttgccgcggt agagattgag 120
ctctctctct gggacaccca caccctgaac gacggcgtgg ccgagacctg tgcggaactg 180
gggattcccc tcgtcgcata ctcacctctg ggtcgcggag tgctggccgg tgctttcact 240
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gcaatgaagc acaacatcaa gcttgtcaac gaggtcaagg acctggcctc tcgcaagggc 360
gtcgcacccg cccagatcgc tttggcctgg atactgaccc tgagcggcaa gccaggtatg 420
cctaccatca ttccgatccc tgggggtaca acgagcgaca aggttacgca gaatttgcac 480
ggtgttcccc gtctatcgga caccgaaatg ggtgagcttg accggatcct caaaaagaat 540
gaagtgcgtg gtgctcggta ctag 564

<210> 17329
<211> 990
<212> DNA
<213> A.fumigatus

<400> 17329
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cgtgttgctc gctgcaagta tactcgaatc aaacatcagc aaccctccgc aaatgtcgcc 120
attgaagcgt tatcggcagc agcttttttat ccacttcgac atctatcctc agcctctaca 180
tcactggcgt tggcttcaac gcctatccca atgaccgaat ctcccggctc ccccctttcc 240
tcaattgcgt ccgacgaaat gtcggatcgc gaagacctca agcatccctt ctctccatca 300
gcctcaaccc tgcctccatc caagcgccgt cgcaccggtg tcgcgtcatg ggatcgcaat 360
actccactct caaccacatt tcaagaagat ctcccaccga cctccccctc gacctcgatc 420
tcgtccgata cctccggcga catccccaat tctcccaccc tcctggccct cataggcggc 480
agccaggatg acgactacag cggccagggc aatgaccagg ttaccgtatg tcggtgggag 540
ggatgcaacg taggggatct cggcaacatg gacgatctgg tccaacacat ccacaacgat 600
catgtcggta accgacagaa gagatactcc tgcgagtggt ccgactgtcc tcgaaagggc 660
caaacacatg cgagcggcta cgcactgcgc gcacatatga ggagccatac gcgggagaag 720
ccattctact gtgcgctacc aggtgagcac ctgtcgtcct ccctcgttcc tgcttgccag 780
aatctccatt tgtgcgacgc taacacttcc ctccagaatg cgaccgcagt ttcacccgtt 840
cagacgccct cgccaaacac atgcgaaccg tccacgagac agaagccctc cgaccctctg 900
accccgtacc gaaaggccac aatgtcccag cctctgcagt gggaacccct accggaaccc 960
ccgtcagtaa actccagcgc atcagactga 990

<210> 17330
<211> 204
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (163)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17330
gcaattggtt cccagattct tcttcattca gcatcatcat tcatcttcat catcccattc 60
tcctattctc cattgggcga gatcaattgg atcgtcaaga catcggtttt ttacatcacc 120

Substitute Sheet (Rule 26) RO/AU

ggaacacccc ccaagaattt agagaatctc catctactca gtngctccac atgtcgcagt 180
cgacgcggtc atcgatgctc ctga 204

<210> 17331
<211> 510
<212> DNA
<213> A.fumigatus

<400> 17331
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gaagcgctgc gagtcaattg gtactatcga cctcgtgaca ttcatcgcat cgtcgcagac 180
acaagacttg tcttcgcttc catgcattcc gacacgtgtc cgcttacatc attgcgtgga 240
aagtgccaga ttaagcatct gtcggaaata gacgatttca atgcgtatcg gaaaaccagg 300
gactcgtttt ggtacgacaa gatgtttgac cggtatatcc atcgctacta cgaggtcgtc 360
cccaccaaga aagtgatcaa tgtaccggcc aatgtcaaga aggtcctcga tgaacgttgg 420
aagttcatcc tagtggagat aggaaaacga aaagaactgt ttagtgcggt taaaacctgc 480
aagcgatgcg gtttgtacgc tgctaggtag 510

<210> 17332
<211> 831
<212> DNA
<213> A.fumigatus

<400> 17332
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tctgcggatt cttccaccgc ccaaggcaac gccaccgcga atgaatcatt atcgcaaccc 180
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aagaaaagta gtggtacagc tgccactagc actactaatg gtgtcaaacc agacggcgag 420
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gcaaccgcca aggacgcgat tcctggcaca tcttcttttt ctgcgaagcc agacgattca 540
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tccacaaacg gaaatgcggc caaaaaaatc tttaccgctg cgccaagcgc ggaccccaat 660
ttgcctgagt ccaacatggt gtcttttgag aacactggtg cctacctcaa ggatggcaaa 720
ttaattgccg atgacggcac aacgttcgct gtgaacggta agtaccttca ccatagccag 780
tgtcttctgt gtgatttact aaatatatac attcagatca tgtttaccta a 831

<210> 17333
<211> 3045
<212> DNA
<213> A.fumigatus

<400> 17333
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ctaggtaggt gtttcattga taaagtcata agatcctttg agcttaccac tgactcatct 120
tatagcaatg actcagttga ttgcgctgtc tgccacaata cttatcacat gtactgtgtg 180
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<210> 17334
<211> 792
<212> DNA
<213> A.fumigatus

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<210> 17335
<211> 258
<212> DNA
<213> A.fumigatus

<400> 17335
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<210> 17336
<211> 339
<212> DNA
<213> A.fumigatus

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<210> 17337
<211> 882
<212> DNA
<213> A.fumigatus

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<210> 17338
<211> 192

<212> DNA
<213> A.fumigatus

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gacggcgctt ag 192

<210> 17339
<211> 495
<212> DNA
<213> A.fumigatus

<400> 17339
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<211> 987
<212> DNA
<213> A.fumigatus

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<210> 17341
<211> 426
<212> DNA
<213> A.fumigatus

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JC542 U.S. PTO
09/417507
10/14/99

acctccgagg agtccgtata ctctttgatc ttcgaatact cctggaaccc ctctgactgg 120
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<211> 2019
<212> DNA
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<211> 795
<212> DNA
<213> A.fumigatus

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<210> 17344
<211> 621
<212> DNA
<213> A.fumigatus

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<210> 17345
<211> 1026
<212> DNA
<213> A.fumigatus

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<211> 255
<212> DNA
<213> A.fumigatus

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gcgtcgatca gatga 255

<210> 17347
<211> 642
<212> DNA
<213> A.fumigatus

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<211> 417
<212> DNA
<213> A.fumigatus

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accaatagct ccaagagaga tgagatcggc aagatattga ggggaaatgg tatcgagcat 240
ctcgctagca ataggcatcc ccataccagt aagatcagca tagagcttac gagagacacg 300
caagcccttg ttgatgttgt aggtttcgtc aatatccggg tcgttgatca gacccttcca 360
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<210> 17349
<211> 234
<212> DNA
<213> A.fumigatus

<400> 17349
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gggcctacaa caaccaagag gcggtcatcg cgttgttcaa tgatctcaat ggcctggtta 120
cggccagatc gaactgcctc aatcgcatgg gcaggctgta atagaactcg tcagcctcaa 180
tgttatactt ttcacggaat ggtttatttg gcattcccga aaaggatttt gtag 234

<210> 17350
<211> 369
<212> DNA
<213> A.fumigatus

<400> 17350
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cgaatgccaa agcggcgcgt gacgaaatcc gccaggcgtt gggtctcatg tggcggcaag 180
ccagcgaaga ggaaaaacga ccgtatatcg aacagacgga ggtcaaccgg cagaccaaca 240
cggagatctg ggatcgatgg aagcagaata cgaaggagtg ggaaaggaag tcgctcgaga 300
tcaagaagcg gtggtgcgcg gccaatccgt tcgagacgtg gcagccgccg gcgaagaggt 360
aatgcttag 369

<210> 17351
<211> 3324
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (2959)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17351
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gtatcctacg atttatcaca gcttgacaat tacttatctc acgcaactac atacgtcaac 180
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ctgtcagagc ccccggctaa gcggcttcgc cgctctccct cgtgtaatga atcaaatgaa 300
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gactcaaatg aggatacgag taatatactt agtggctcag ctacatccgt gtcattgatg 480
tatgaaccca gtcagaaaaa ctcaactcca ccgtcaactg tcaataatgt gccgtcctcg 540
tcgtctatta cgtctgactc aaaagggctc agtggcaata cagactatgc cagatatcgg 600
ccaaggtcgt ccataccttc taagctcaca gctgccgttt acgctcagca gtgcgttact 660
gccgcgtatg catgcagact caatccctac tctctgcaca agaaggaaca agaaccactc 720
caggatcatt tgtgtcatct gcatgttaca gcttatctga acataagaaa cggaatcctg 780
cgcctctgga cgcgaaaccc aatggtcagt gtcacaaaag atgaggctct aggctgcgcg 840
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gcatctctga acctagatcc tgttgccaaa gcttcaatgt ggccaactct gggcgccgta 1740
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tggcagccgc cggcgaagag gtaa 3324

<210> 17352
<211> 669
<212> DNA
<213> A.fumigatus

<400> 17352
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cgtctcaact tgcccggcga agagacctac tggcagaatg gaattagcgc ctgcgccgtc 180
tgtgatggtg cggtgcctat tttccgcaac aagcccctgt acgtgatcgg tgggggtgac 240
tctgctgccg aagaggccat gttcctggcc aagtacggca gcagcgtcac cgtgcttgtc 300
cggcgtgaca aactccgcgc cagcaaggcg atggccaagc gtctgctggc tcaccccaag 360
gtgaccgttc gcttcaacac cgttgccact gaggtgctgg gagagaagaa gcccaacggc 420
ctgatgactc acttgaggat caagaacacc gttaccggcg aggaggagat tgtcgacgcc 480
aacggtctct tctatgctgt tggtcatgac cccgccactg ccctcgttaa gggccagatc 540
gacctcgatg aggatggata catcatcacc aagccaggca ccagctatac cagccgcgag 600
ggtgtgtttg cttgtggcga cgtccaggac aagcgttacc gccaggctat caccagtgca 660
ggtttgtga 669

<210> 17353
<211> 204
<212> DNA
<213> A.fumigatus

<400> 17353
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cccgccgctc aggaggtcaa cggtgatgtc aagaaggacc ctaagggcgc cgttccagaa 180
tacaagtcga accctcttct ctaa 204

<210> 17354
<211> 657
<212> DNA
<213> A.fumigatus

<400> 17354
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atgcagtggc taagttgttg gctgccactg ttggtggcag catccattcc tcggacgctg 120
gcggcacaag ataccgatac ctctgctact agcaccacaa cagcgacaaa tgctctcttc 180
accatcacag gaacaatcac agaccatgtc agcgatgcaa ctttgcctac cggcacttat 240
ctctcctata cctccacccg cactctttcc accgacagcg atggcaaagt cctttcctcg 300
atcgctgtga ctaacgcgac cgctgtcggt aattcgacca ttcataccac ttccacagat 360
acaatgacga gattggtcgg caatgccacg gcaaatgcca ctatgaatgg cttcggcttc 420
ggcttcgaca tctcccgttg tcaacactca gccttgcaat ggccatcccc aaatcctgtg 480
ctcgcaagta ctcaaacatc acccagggtg ggcgggtcaa tacatcccct ttgtcaaacc 540
aggcaatgct gctgcgaacc aagaattggg ggtggtcagt cagttgaacg acggtatccg 600
aatgcgtacg tactcttgaa gaacatctcc tttgcgagag accaactgct aacctga 657

<210> 17355
<211> 399
<212> DNA
<213> A.fumigatus

<400> 17355
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gtcgagtccg tcgagagcaa gtactatgcg gatggagagg atgcgtacgc catgcgcctg 180
gaccttaccg atcaatggtt ggactggaag gaaattgaac gcaaggacag agagcgcgct 240
aagagtgacg aaaaggacgc tgatgagggc gacgaggttg gaagtttggg caagaaggaa 300
gaaaagaccg ttcgcgtcaa ggtcggacgg agtttgggtg tcggcgattt ggtggagagg 360
aatgaggcca acccttcgca acaaagcgtc agctcgtag 399

<210> 17356
<211> 438
<212> DNA
<213> A.fumigatus

<400> 17356
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gacctcctcc cctccatcca aacctgcaac atcaccaacc ttcccgaaaa ctactttctg 120
aaatactacc tctaccatgt cctgacgtgg ccgcaactga gcttcgtggc tgtcgtgcgg 180
ccccgcaatg gctacgcgaa gcacaagggc ggtgccgcag gcacatcaag cacaggcacc 240
gccgacctct ccgggcagta tcccaaggtg gttgggtacg tacttgcaaa gatggaggag 300
gagccgacgg acggagtaca gcacgggcat atcacgagtt tgagtgtgat gcggacgcat 360
cgccggttgg gtatcgccga gagattgatg aggatgagtc gtatgtttcc ccccttttt 420
acgtttccat attcctga 438

<210> 17357
<211> 486
<212> DNA
<213> A.fumigatus

<400> 17357
ataaaaaaaa agaacgcgct atggctgagt cccatcgcgc cagttacgtt tcgctgcatg 60
tgcgtgtctc caacactgcc gccctgcgtc tgtaccggga taccttggc ttcaaggtcg 120
agtccgtcga gagcaagtac tatgcggatg gagaggatgc gtacgccatg cgcctggacc 180

ttaccgatca atggttggac tggaaggaaa ttgaacgcaa ggacagagag cgcgctaaga 240
gtgacgaaaa ggacgctgat gagggcgacg aggttggaag tttgggcaag aaggaagaaa 300
agaccgttcg cgtcaaggtc ggacggagtt tgggtgtcgg cgatttggtg gagaggaatg 360
aggccaaccc ttcgcaacaa agcgtcagct cgtagaaagg agtcgtcata tatacctctg 420
agagccagcc ctctggacag tttcgaatcc tgggcaaacg tgctcgatct acagaatatg 480
cagtga 486

<210> 17358
<211> 975
<212> DNA
<213> A.fumigatus

<400> 17358
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atgtatctct gccataccag ttgtgatcta ctcaacgtgg gcaccctgac ggaatacctc 180
accacggtca cccgatggat aagacagcac ccgtacgacg tggtcaccat cctgattggg 240
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aaggaaagga tgtccgcctc taacttgtca atagccatgt ggaatcgtcc ccccaacttc 780
ctcctcgtcg actactacaa ctacggcaat ttcaatggct ctgtttttga agtagcagcc 840
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ttgatgccgg caggggctct gtggaacgcg ctgttagttg ttgcaagtgt tcacttgttc 960
gcctcgatct tctaa 975

<210> 17359
<211> 774
<212> DNA
<213> A.fumigatus

<400> 17359
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gattcgaaac tgtccagagg gctggctctc agaggtatat atgacgactc ctttctacga 120
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aacgtaaaaa agggggggaaa catacgactc atcctcatca atctctcggc gatacccaac 600
cggcgatgcg tccgcatcac actcaaactc gtgatatgcc cgtgctgtac tccgtccgtc 660
ggctcctcct ccatctttgc aagtacgtac ccaaccacct tgggatactg cccggagagg 720
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<210> 17360
<211> 375
<212> DNA
<213> A.fumigatus

<400> 17360
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tatattcttg gctccgaggt tggcacgcag tcgaccacgc gattcattgc cttcaaagcg 120
cttccgccaa tccaactccg tcgcaaaaga cagtaccgca gtagcggcac tgtgagtgaa 180
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ccgcgtcccg gtgaaggagg aaagcctccg tctgtcgttg agaactcaga gattatctct 300
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ttggtctggg cgtaa 375

<210> 17361
<211> 1602
<212> DNA
<213> A.fumigatus

<400> 17361
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cctttcatca aagccgacgc gcacagcttc atcttacctc ttgtgcaggg tttcgtaggc 120
cagcgagagt tcaccgtgtc ggctaaatca gaacagccag attccaacgt cgcagaggag 180
cacacagaag gtcgaatgct cggtgagaaa gacgagtcac agagcatcaa ggttgatgcc 240
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gattatcttc tgggaaatgt atcgactcgt atattcgcag aatttgccat ggagatgcga 1200
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aagatcgtga ttagcgacca gtcggaagag ttcctgggag gctggactat gctcactcct 1320
cggcagccca acaccctccg aactttacca ttcgaggaag cggtcctgct cctgactgac 1380
gcggctgtct acagttgccg ctttgactgg aatactgaca aagtaacctc attcgagcgc 1440
atcgatttac gctcaatatc gcgtttgaat tacggcactt atatcacatc gatcttgact 1500
gagtcacaag cgaatgaaca aggcaatgtt ggactagtca tcgagtaccg cgacggcggg 1560
cgagaacgcc tggcgcgtca acacccggtc tctgaagagt ga 1602

<210> 17362
<211> 408
<212> DNA
<213> A.fumigatus

<400> 17362
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gtggctcctc ctctccgtct cacctccccc actttcagac tctcttcggt cttgagacag 180
cttcgtggct ctcgattacc taccactacc gccgtttaca attccgcatt gactgatctt 240
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cccgcccctc tttaccgcga ctgctcagtc catcgtcgac gatgccaagc gcctcatcga 360
gacatcccgc aaagtgcagg acaacatcgt tgcgaatgtc aagcctga 408

<210> 17363
<211> 1287
<212> DNA
<213> A.fumigatus

<400> 17363
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gtgatgcgtg aagacgtatt caagctcgtc gatgctgtgc tgaagaagaa cgagagtctc 180
gaccccgagt cccggagact gctggagaag gaacacaagg attacatccg caatggcttg 240
ggccttccag ccggaccgaa gcgggatcgc ttcaaggaga tcaagaagcg tctgagccag 300
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aacgtgcctc tgttccggga ggccatcatc ctgcgtgatg aggccgctcg tctgcttgga 600
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gacgacttct taggagactt gcggtcgcgt ctgactgctg gagggcacaa agagattaag 720
gctttgttgg agctcaagaa agcagatctc gagtctcgcg gcgagccctt cgatggccgc 780
tactatctgt gggaccaccg gttctacgac cgcctcatgc tcgagaagga ttactcgctg 840
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ccccgccccg gcaagtatgg ccacgcggcc aacttcaatc tccagccggt atgtgaaaca 1140
cataagagtc atatcactcg actaacaatt gtaagggctt catcgacgct gacggcaagc 1200
ggcgctaccc ggccactgca ttggtgtgca atttcaccaa gcccacggcc aagaaaccta 1260
gtctcctcaa gcacgacgag gtggtga 1287

<210> 17364
<211> 876
<212> DNA
<213> A.fumigatus

<400> 17364
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aaaataaggt cttctgttgg cgtcaacctc accaacccca gacaaccacc tgcaagagtc 120
acactcaccc caccaaaaga aaatacaatg tcaactacaa acccatccgc ctctccatcc 180
cggtcccccg ctcctcgaca acaagatgac caaccccagc aacaggaaca agagcagcaa 240
cagcagcagc agcaacagcg cctaaaagtt catacccacc actgccgctt ctgcaaccac 300
ctcctcctag ccacaacgcg cacgatcgcg acccttccgc gtcgaaaagc cccagcgcag 360
gataacgcgc ttattctgcc tcttccgcac gcggacgagg acgaggacga agatgacgac 420
gacgacaacg acgacgagaa gaaggaggag gagaagccag acgcaaccac atcgcccgag 480
cccgggagcg aaaccaacca aaccataaga accgaaggcg aagccgaaag cgaaggacaa 540
gcggggagga aacggcgcaa acagaagcac tacaccatcc tgctatccac aactctcccc 600
gatcgcaagg cgacgctgat ccgtcgggaa gacgggttcg agaagaggcg atttctgcgg 660
tgtgggcggt gtcgggttgt ggtggggtat ttccttgatg cggtgcattt tcctgttgtc 720
cggagggccg aggatgtagt tgaaggggaa ggggcgagtc aagaaccacg ggttgtatat 780
ttacttcctg gggcgttgat ggagacggag attatgggtg atgaggagaa aatggaggcg 840
ctggatcggg agtggagtgg gtggattgct caatag 876

<210> 17365
<211> 252
<212> DNA
<213> A.fumigatus

<400> 17365
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ccgcaggccc cgccccctctt taccgcgact gctcagtcca tcgtcgacga tgccaagcgc 120
ctcatcgaga catcccgcaa agtgcaggac aacatcgttg cgaatgtcaa gcctgattcc 180
gcgactttcg attcggtgct gaagcctctg gctcatgatg agaataccat ggcgctagaa 240
tccacattct ga 252

<210> 17366
<211> 273
<212> DNA
<213> A.fumigatus

<400> 17366
tgccggatac tacggatatc tcaggtaagc ttttttcttt acttcgtctt ttgcgtactt 60
gcaattctaa ccgactgcag ctcccaagta tactcgaccg acatgttcta cactgtcttc 120
aaggacgatc cgatgaaccc agccgccggc cgcagatacc gctacggcgt cctcgagaag 180
ggcggcagcc aggacgagat gaagaccttg accgacttcc tcggccgcga acccaagacc 240
gacgcctttt acaaggaatt gggactggcc tag 273

<210> 17367
<211> 837
<212> DNA
<213> A.fumigatus

<400> 17367
tattgcttag cgcggatcct tccgcccccct gtggtagaag acgtggcagg tctcggctgg 60
ggtgactggt ttggcggctt catctatgcc ggtattctgc gtatcttctt cgttcagcaa 120
gccacttttt gtgtcaactc tctggcccac tggctcggcg atcagccctt cgacgaccgc 180
aactccccca gagatcacgt tatcactgct ctggtcactc ttggcgaggg ttaccataac 240
ttccatcacg aattcccctc ggattaccgc aacgccatcg agtggcacca gtatgacccc 300
accaagtgga ccatctggat ctggaagcag cttggtctag cctatgatct gaagcagttc 360
cgtgccaatg aaatcgagaa gggccgtatt cagcagctcc agaagaagat cgaccagaag 420
cgtgccaagt tggattgggg tatccctctc gaccagcttc ccgttatgga gtgggatgac 480
tatgttgaac aggccaagaa cggccgcgga ctgattgcta ttgctggtgt tgttcacgat 540
gtgaccgatt tcatcaagga ccaccctggt ggcaaagcta tgatcaactc cggcattggc 600
aaggatgcta ctgccatgtt caacggtgga gtttacaacc actcaaatgc tgcccacaac 660
ctgctgtcta ccatgcgtgt cggcgttatc cgcggcggct gtgaagttga gatctggaag 720
cgtgcccaga aggagagcgg cgaatatgtc cgcgacgagt ccggtcagcg cattatccgc 780
gctggtcagc aggtcaccaa gattcccgac cccattccca ccgctgatgc ggcatga 837

<210> 17368
<211> 675
<212> DNA
<213> A.fumigatus

<400> 17368
gagtcatatc actcgactaa caattgtaag ggcttcatcg acgctgacgg caagcggcgc 60
tacccggcca ctgcattggt gtgcaatttc accaagccca cggccaagaa acctagtctc 120
ctcaagcacg acgaggtggt gactctgttc catgagcttg gacacggaat ccacgacctc 180
gtctccagga cgatctactc gcgcttccac gggaccagca ctgtccggga ctttgttgaa 240
gctcccagtc agatgctgga gaactggtgc tggacaccgt cccagctcaa gtccctgagc 300
aagcactact ctaccctgtc ccctgagtac cttgccgcct ggcaagagca ggccaacggc 360
aagccccagc cgcccgagcg cattcccgac gaaatcatcg agaacctgat ccgcaccaag 420
cacgtcaacg acgcgctgtt caacctccgc cagctgcact ttggcatctt cgacatgacg 480
gtgcacgaag ctgagagcca cgagcagatc cagaagctgc ccatctccac cacatacaac 540

cagttgcgta agcagatcgc gctgcaggac ggccccgagg tcctaggaat gggcgacgaa 600
tggggccacg gcgaagcaac ctttggccac ttgattgggg gctatgatgc cggatactac 660
ggatatctca ggtaa 675

<210> 17369
<211> 219
<212> DNA
<213> A.fumigatus

<400> 17369
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ggattccggg agcccggcga gcccgaggag tattgtcggg gattccaggt gtttgataag 120
gatatgactg ggtttattgg ggtggggcag ctgcgctata gtatgttgtt ctgcgttgcg 180
ctgtgcgttc agctggctgg gggattgggt gctgactga 219

<210> 17370
<211> 234
<212> DNA
<213> A.fumigatus

<400> 17370
tgcagaaata agctatgtca tctcatctgg atcgtcgggg tcagtcatcc atccttggtg 60
gttaccacaa caaccacccg cctaaacacc gccaaaccca ccccaggcca acttctaatc 120
ttcgctcctc ctcgcatgat catctctcag tcgagtatct acgccgtcat cttcgtgttt 180
gtaaggatct accattgttt accatccgaa caatatagtt gtcgcaggca ttga 234

<210> 17371
<211> 333
<212> DNA
<213> A.fumigatus

<400> 17371
acttccctcc ctcattgcat ttttcatccc caacttctgc ccttcatcat ccatcccact 60
ttctttctgc tggaaaatag cccgttctta aaaatgcctc gctcacccga ttctcacaac 120
gaccaggcct caaccaacta caaggaagcg ttctcgctgt tcgacaagcg cggcacggga 180
aaggtatcgc tcgagtcgct cggtgacctg ctgcgcgcat gtggccagaa ccctaccctc 240
gcggagattg cagatctgga gaagagtatc ggcggagact gtaagttgct tctggtttct 300
ggcgctcggt gtagcaagct gacagtgcgc tag 333

<210> 17372
<211> 273
<212> DNA
<213> A.fumigatus

<400> 17372
ctgggtttat tggggtgggg cagctgcgct atagtatgtt gttctgcgtt gcgctgtgcg 60
ttcagctggc tgggggattg ggtgctgact gatgtagttc tcacgaattt gggcgagaag 120
atgtcggacg aggaggtcga tgagctgctg aaggcggttg acaccagctc tggcgagatc 180
aactacactg gtatgttttc ttgtttgatt tactccgaat ggttgacact aactagtatc 240
gcagaacttg tccgcacaat cctggccaac tga 273

<210> 17373
<211> 516
<212> DNA
<213> A.fumigatus

<400> 17373
cgagcgcgga acctatccag cccggggcac gatcttgctc aacggcagcc actcggccct 60
gggctacccc ggtcagctgg cgggcttcca gtacgtgcac gaggtcatgg cgaacccgct 120
gttccgcaag ttcgtgtggc agatgatgca ggaggaggtc aagccgctcc tgccggagat 180
cccgggcgtc gacatcgacg agtattgcaa caccctcatc gagcgcttta ccaaccccac 240
cattatggac cagctgcccc gtatctgtct caacgcgtcc ggcaagattc ctcagttcat 300
catgccctcg attgccgagg cgatctggga gacgggtccg ttccgccgcc tgtgcttcgt 360
cgccgccgcc tggttccact acatcaaggg ggtcgacgac cgtggcaagc cgttcgaggt 420
ggtcgacccc atgcgcgagg agctccaggc caaggctcgc gccggaggca acgacccgtc 480
cgagctgctc agcatcaaga gcctgttcgg ggatga 516

<210> 17374
<211> 270
<212> DNA
<213> A.fumigatus

<400> 17374
gactctacag ggcagtttcc cggtcctacg atcgaagcag attgggggga cacaatccgt 60
acgactctac ttgcatacac atgtaaacta ctgacaggta caggcattag cgtatacaac 120
aatttcaccg acaacaacaa cggtagcgct atccactggc atgggcttcg tcagttcgag 180
aacaatgtcc aggacggagt ccccggagtc acacagtgtc cgagcaaggt aacaattagc 240
ccagcggagt atcgtcggag aagcgactga 270

<210> 17375
<211> 615
<212> DNA
<213> A.fumigatus

<400> 17375
gagcgcggaa cctatccagc ccggggcacg atcttgctca acggcagcca ctcggccctg 60
ggctaccccg gtcagctggc gggcttccag tacgtgcacg aggtcatggc gaacccgctg 120
ttccgcaagt tcgtgtggca gatgatgcag gaggaggtca agccgctcct gccggagatc 180
ccgggcgtcg acatcgacga gtattgcaac accctcatcg agcgctttac caaccccacc 240
attatggacc agctgccccg tatctgtctc aacgcgtccg gcaagattcc tcagttcatc 300
atgccctcga ttgccgaggc gatctgggag acgggtccgt tccgccgcct gtgcttcgtc 360
gccgccgcct ggttccacta catcaagggg gtcgacgacc gtggcaagcc gttcgaggtg 420
gtcgacccca tgcgcgagga gctccaggcc aaggctcgcg ccggaggcaa cgacccgtcc 480
gagctgctca gcatcaagag cctgttcggg gatgacctgc gcaacgacga gcggttcctc 540
agggagatca ccaccgctat gaatgacatt gcccgggacg gcatcatgaa gacgctcccc 600
aagtacatta actaa 615

<210> 17376
<211> 231
<212> DNA
<213> A.fumigatus

<400> 17376
agaatagaga caaatgccaa tagctgtagc gaaacgatcg cagttataga ggagcccagg 60
tgcaaagacg agaattgccc cgatagtcag ttcggttaca tcaaagagct cggtctggtg 120
gatctggtca gaacaaatca tcccgctggc cgatttaagg atctctgcgt cgtggaaacc 180
gccagcatgc agattactat ccagacccct ttcatatctc gactcctcta a 231

<210> 17377
<211> 336
<212> DNA
<213> A.fumigatus

<400> 17377
agaagactac cgccgctata tgaccgaggt ttccgccccg atgaccaagg acctgatggt 60
aaaatatggc gtcaagcgat ggacgatggt ggatttgcac tactcccatt gtatactcgg 120
ttactaacag aacaggtgca taacacgacc gccacccgcg cgctcatggc cgagttgtgc 180
gactcgcaaa tgaccaacgt ggtggacttt gactgtttca gtcaggtcgt cttcgagagc 240
ctggaggact acaagcgcat gaagcaggat ccttggtaca aggagcattt gttccacgat 300
catgagaatt tcgcggatac caagaaaagc atgtaa 336

<210> 17378
<211> 825
<212> DNA
<213> A.fumigatus

<400> 17378
tcatcctacg ccaatgtggc tatactgaag acgtcgccag gaccgatcgt cattcatggc 60
ccatcaagca tggactggga tgaggacctg gggccctggc tcctgcacga ctggtaccac 120
gacgatgtgt tttccttgct ttgggtaggc gagacgaaaa atcgaggagc aattcccgag 180
tccaccatcc tcaatggcaa ggggaagttc gactgtaatc accacaacga cacgcgctgc 240
accggaacgg gtggagagta ttttgaggtc aacttccgaa agggcgtcag gtacaagctc 300
accatcgcca atacggggac cctgctagaa tatatgttct ggattgatgg gcataacctg 360
accgtcattg cggccgactt cgtccccatc gaaccctatg tcaccgacgt ggtcaatgtg 420
gcgatgggcc agcggtatga aatcatcgtc gaggcaaacg ccgacttcac gcacggttct 480
aacttctgga tttacgccca atactgtgac gaggtcgatc tgctgcccca caaggcagtg 540
ggaattgtgc gctacgacga acaggaccgt caggaccccc ggacgccacc tctcggcgac 600
cagcatcgag actttggctg cgaggacccc gatctagaca acctcgttcc tgtcgtccag 660
cagtcggtcg gcaggcgagt gaaccgcatg gagatgaagg actacctgag aatgggccaa 720
gagggctacc ccgacccgat gaacttcgac ggtgacctcc acaaatgggt cctgggcgat 780
gtcccgtctt caccacgggg ctggaaggat ccgcgatggc gcatg 825

<210> 17379
<211> 417
<212> DNA
<213> A.fumigatus

<400> 17379
tgcaggagga ggtcaagccg ctcctgccgg agatcccggg cgtcgacatc gacgagtatt 60
gcaacaccct catcgagcgc tttaccaacc ccaccattat ggaccagctg ccccgtatct 120
gtctcaacgc gtccggcaag attcctcagt tcatcatgcc ctcgattgcc gaggcgatct 180
gggagacggg tccgttccgc cgcctgtgct tcgtcgccgc cgcctggttc cactacatca 240
agggggtcga cgaccgtggc aagccgttcg aggtggtcga ccccatgcgc gaggagctcc 300
aggccaaggc tcgcgccgga ggcaacgacc cgtccgagct gctcagcatc aagagcctgt 360
tcggggatga cctgcgcaac gacgagcggt tcctcaggga gatcaccacc gctatga 417

<210> 17380
<211> 1017
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (267)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17380
cagagtagat ataatactat tgacagcagc caacaacaca gtagatcaaa cgtcagcatg 60

gctgtccccc agagcattcc ccctccaacg gcagccccta tcgagtccaa agaccaggtt 120
ttcgcccgca gcaaggcgtt ctgggacaac tatctccgag gccgccctca ggtgccaccg 180
agcttcttcc aacgcatcta tcgctaccat cgagagcacg gcgggcggtt tgggacagtc 240
cacgatgtgg gcgcaggaat cgggccntac gcaggggaga tacggtccca gttcccccac 300
gtcattgtct ccgacatcgt gccgaaaaac gtccagctgg ccgaggcgca cctcggacga 360
gacggcttcc gctatcgcgc cgcgccagtc gaagtcgccg acgacctgcc gcccgggagc 420
gtggatctgg cctttgcaac caacgtgatg cactttgcgg accagcacgc ggccatgcag 480
gcgattgcga cgcagctccg gccgggaggc acctttgcgt gcgcggggtt tggccccgcg 540
cgctttgatg accctgatat ccaagatgtc tgggagcgga tcagccagca gggcggccgg 600
atcctcctgg gcatggcgga gcatccgccg gacaccatta acgtcatgag tcgcagttcg 660
aaggagtaca acgtggctcc gctggagccg cagtggtttc gaccaggggc attgcgcatc 720
cggctgaaca tggcccaggg cggcatcacg ggccttctgc cgccggagcg acagcaggaa 780
gtgacggatc ctgacttcgc gggaccgagg gatgtggtcg tgtacgagac gaatgaggaa 840
tggcgctttg aaaccgactg ggagggtttc ctgcagcatt tccgctcgtt tcctcacgca 900
ggggctgatc ccgcggcctt tacgggattg ttgcaggagc tcaaggacct cttggacgag 960
gggcgatgtt tgcgtggctg ttggccggcg actttgatcc tcgcgacgcg gcgttag 1017

<210> 17381
<211> 609
<212> DNA
<213> A.fumigatus

<400> 17381
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cacttctatc aatatgccgc agaatgcttc cgtgattatt acgcaggcga ctgcagtcat 120
tacaggctcc tttctctcgg gtatgtcatc ctatgtcgaa tccacgtaga gagacttaac 180
gccgacgcag gcctcatgat gggactttcg gtcgttgaca tccctgtggt gctcgacact 240
gctactcaag cctcgcaact attgcaacat ttcacacgcc tttatgatat tggacataag 300
atgatgccca gtctggctgt cacaacctgt ctgctctacg gctatactgc gagcagcacg 360
cgcactacgg gcgggtcggg actcccccat atcattgcgg cggtgacaac gatctcgatg 420
gtgcctttta cgtggctggt catggccccg accaacaatg ctctctttcg aatgcatgcc 480
aatcccgctg cagcgaacct cggtgaggtg cggcgactac ttgtccgatg ggcacagctg 540
catgcggtgc gctcgctatt cccgctgatg gggtcagtcc tgggtttgag gcagattctc 600
agggagtag 609

<210> 17382
<211> 684
<212> DNA
<213> A.fumigatus

<400> 17382
aatatgcaaa atttaaaaat ctcgctcgca aacgcagggg tgtaccatcc aacaagtctc 60
gccgggcgat tagttaatgt acttggggag cgtcttcatg atgccgtccc gggcaatgtc 120
attcatagcg gtggtgatct ccctgaggaa ccgctcgtcg ttgcgcaggt catccccgaa 180
caggctcttg atgctgagca gctcggacgg gtcgttgcct ccggcgcgag ccttggcctg 240
gagctcctcg cgcatggggt cgaccacctc gaacggcttg ccacggtcgt cgacccccct 300
gatgtagtgg aaccaggcgg cggcgacgaa gcacaggcgg cggaacggac ccgtctccca 360
gatcgcctcg gcaatcgagg gcatgatgaa ctgaggaatc ttgccggacg cgttgagaca 420
gatacggggc agctggtcca taatggtggg gttggtaaag cgctcgatga gggtgttgca 480
atactcgtcg atgtcgacgc ccgggatctc cggcaggagc ggcttgacct cctcctgcat 540
catctgccac acgaacttgc ggaacagcgg gttcgccatg acctcgtgca cgtactggaa 600
gcccgccagc tgaccggggt agcccagggc cgagtggctg ccgttgagca agatcgtgcc 660
ccgggctgga taggttccgc gctc 684

<210> 17383
<211> 792

<212> DNA
<213> A.fumigatus

<400> 17383
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caatccattt tctgccgata tagcttcctg aagctatgca aagtcaaata ttacaatttc 120
tcgccagttc atagcgttca gaaaaacttc accttccaga ccggcgatcc tctcggtccc 180
gattccccag aaagcgacgg cgggtcgtcg atatggggcc tgttggaagg gcccgtcaag 240
agaacatttt cgttgaagct gtcgccaaag ctgaagcaca ccgagcgcgg aactgtcagt 300
atggcaacag taccttcctc gcacgatccc gacgagcgcc tcgctgccag tcaattcatc 360
gtcacacttg aggataacct cgactatctg gatgggaaag cagcgatctt tgggaaagtt 420
gtggaaggct tcgatgtgct tgaaaagatc aacggagcct ttattgacga ccaaggtcgc 480
ccgctaaaag atatccgtat ccgccataca gtcatcctcg atgaccctta cgatgaccct 540
cctggcttag tggtgccagc tgaaagtcct ttgccttcaa aagcacagct agcgactgta 600
aggattgctg acgacgagga gctggatgac aacatggatg aggaggcgat ggaaaagctg 660
cggcgagagc gcgaggccag agcgcaagca ttgacgttgg aaatggttgg tgatcttcca 720
ttcgcagagg tcaagcctcc agagaatgtg ctcttcgttt gcaagctgaa tccagtcact 780
caaggtattt ag 792

<210> 17384
<211> 564
<212> DNA
<213> A.fumigatus

<400> 17384
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agctctgaag aagctcggtt gcaaacttgc ggtcttgagc ggaggattcc agcctctggc 120
ggaatggctc gctggccaac tcggcatcga ttatgcattt gccaatcatg tgggttctcc 180
cgtccctcat gccaactttc cttgagccaa cgattgacat attttttttt ttctttccag 240
cttgaaattg atgaggcgtc tcaaaccctc acgggcaagc ttgtaccgac ccaccctatt 300
attgacgcaa gcaagaagcg tgagcttctc aagtctctcg cggcagataa cggcattcca 360
atctcccaag tcgtctctgt cggcgacggg gcgaatgacc ttcttatgct tcatgcggct 420
ggccttggag tcgcctggcg cgccaagtcc aaggtccagc ttgaggcacc gactcgtctc 480
aatggtgaaa gtatgttgga cattctctat ctctttggta tgacgaaaga ggacatcaag 540
gagttagttt ccgacgatgc ttga 564

<210> 17385
<211> 657
<212> DNA
<213> A.fumigatus

<400> 17385
tatgatgact tttgtcatat aataggccca agagatggat actgcatgat catacccgaa 60
gcgaagccga cgaaaaacca acaagcgccg attaattatc ctaaagacgt aaaagacaga 120
aatagagaga gcccaaagga caattcaccg cgtcacctcg tcgacggtaa ctggccgaac 180
gccgactgtt tccgtgcctc cagaagtagc tcttctcttc ttcagaacat tctcaatgaa 240
cgcctcgccg gccttgtaac tgctccgaac gagagggccc gacgcgcagt agaggaagcc 300
catgtcaagc gcccgctggc gccacagctc gaatcgatcc ggagtgacgt actcgtgcac 360
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cgcgcgcagc tggcgcagcg catcccacaa ttggtcatcc gtctccccga ggccaagcat 480
cagcgaggtc ttggtgataa gcgagggctg ggcgttcttc gctgcctcga gcacccggat 540
agactgctga aagttggcac ggcgatcacg gacctgaggc gtcagggctt ccactgtctc 600
aacgttgtgt gcgtagacat ccaagccgga gcgagcgacc agcttcacca tctctag 657

<210> 17386
<211> 309

<212> DNA
<213> A.fumigatus

<400> 17386
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tcgcttaaag agcgtgtcgg tctcttgaag ggcgttccag ctgacgtgtt cgagaagttg 120
aagcctgtac tcaccgtttc gcctggcgct cgcgaactgt gcaaagctct gaagaagctc 180
ggttgcaaac ttgcggtctt gagcggagga ttccagcctc tggcggaatg gctcgctggc 240
caactcggca tcgattatgc atttgccaat catgtgggtt ctcccgtccc tcatgccaac 300
tttccttga 309

<210> 17387
<211> 234
<212> DNA
<213> A.fumigatus

<400> 17387
ctgtctctgt gcgattctaa tagcgcgaaa ctatgtggcc tcgttggcat ctacccccg 60
aggccccagc agcttatcct atcattcgac attgtcccgc ttgggtccag tccaagagaa 120
gccaaactca acgccagcaa cgcaattcac tccaacatcg ccgtcccgta tcagagaccg 180
cgtgctggga ccaagaagca tagagcttcg cacagacttg gatcgagtcg ttga 234

<210> 17388
<211> 1308
<212> DNA
<213> A.fumigatus

<400> 17388
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<213> A.fumigatus

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<212> DNA
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acgaatcgag gccatactgt cgctgcagtg gcagagacat tcaagctcgc caaggacgct 900
gggtttaaag tcgttagtca catgatgcca gatctaccga atgtcggcat ggaacgggat 960
cttttccagt ttcaggaata ttttgaaaac ccagccttcc gtacggacgg tctgaagatt 1020
tatccgacac tggtcattcg gggtacaggt ctgtatgagc tttggagaac gggtcgctac 1080
aagaactaca ctcccaacgc gctggtagat cttgtcgctc gaatccttgc gctcgtaccg 1140
ccgtggacgc gtatctaccg ggtgcagcga gatattccca tgcccctggt cacttccggc 1200
gtggagaatg gtaaccttcg agaactggct ttggcacgca tgaaagactt tggtacaaca 1260
tgtcgtgatg tgcgcactcg cgaagttggt attaacgaag taaaaaacaa aatccgcccc 1320
tcgcaagtgg agctcatccg ccgagactat actgccaacg gtggttggga aacattcctc 1380
gcctatgaag atcctaagca ggatattctc atcggcttac tgcgcctgcg aaagtgcagc 1440
gcgactcaca ctttccgtcc ggaattcacg ggccagcaga cgagtattgt gcgagagctc 1500
cacgtatatg gctctgcggt accgctccac ggccgcgatc cgcggaagtt ccagcaccga 1560
ggatttggaa ccttgctaat ggaggaggcc gagcggatcg ctcgagaaga acacggaagt 1620
cgaaagatca gtgtcatctc gggagtcggt gtccgcagct actatgctcg tcttgggtac 1680
acacttgacg gtccttacat gtccaagatg ctcgatccaa ttgaagacga ataa 1734

<210> 17399
<211> 285
<212> DNA
<213> A.fumigatus

<400> 17399
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acggtaagtc ttttctctcc gcgcaatatg gcttctttcg acgcaaaaac tgactcggaa 120
tcaacagaca tggttcgcat cacggatatc ttgaagactc agaacaagac ccgtctggtt 180
ggacccaatt gccccggtat catcgctcct gtaagttcag tcgcatctga atttggtttt 240
tctaaggccg tacggcgtgt tgatatcctc ctttctacat cgtag 285

<210> 17400
<211> 408
<212> DNA
<213> A.fumigatus

<400> 17400
ggccaatgta agattggtat catgcctgga ttcatccaca agcgtggtcg tgtcggtatt 60
gtgtctcggt ccggaaccct gacatacgag gctgtcaacc agaccaccca ggccggtctc 120
ggccagtccc tcgtcgttgg tatcggtggt gacccttct ccggtaccaa cttcattgac 180
tgcctgaaga tcttcctcga ggatgaggag acagacggta tcatcttgat tggtgagatt 240
ggtggcagcg ccgaggagga tgctgccgag ttcttcaagg ccaactacaa gcacaacaaa 300
cccgctgttg ggtttcatcg ctgggcatta acgctcctcc cggtcgtcct atgggtcaca 360
ccggtgctat cgtcaacggt gggtaaagtt ggtgctgaac tccaataa 408

<210> 17401
<211> 231
<212> DNA
<213> A.fumigatus

<400> 17401
ccccttgatc ttggttgtat cggtgtacga caggagttca gaagcttaca attcccagga 60
accaaggttg tcggtggtac caaccccaag aaggccggta cgatgcacct tgatagacct 120
gttttcgcaa atgtcagcga ggctgtgaag gaaactggtg ccactgcctc tgctatcttc 180
gtcccgtatg gaatcacaat ttcccgtttc cgtcgttgtc ggacttactg a 231

<210> 17402
<211> 327
<212> DNA
<213> A.fumigatus

<400> 17402
ggtggctgta gacccgatca tcaaaacaga cagcattgcc cgtggttacc aacctactcg 60
cacccagcaa ctaacgaaac acaaccacct agtcgggtag tgtatagcag accctccact 120
atggctcatg agatgggtaa gctgttcctg cgtctctttc ggtgctccga ggcctctact 180
ttccatctga tctctcgtta ctgccctgcc actagcctat ctcttttagc ctccgctttc 240
cgtcgagtgt tgctaatccg tagtcaaaac aaacagggcg agctgcatct caatgctcga 300
gtgtcgcatc gcaaactaca cagttag 327

<210> 17403
<211> 345
<212> DNA
<213> A.fumigatus

<400> 17403
aaatcctgta cagacaccgt tattgcagtc atggcactcc ctcaaacaca aatcgcagca 60
gtcgtgtcag gacccagaaa gtcctcaagt gcacgggtag agattacaag tgaacgccct 120
gtgccatctc caaagcaagg ggaagtgctc atcaagctcg aatattccgg agtgtgccat 180
tcggatgtcc atagcattcg tggggatacg ctcatgttaa ccgacgtcgc aggtcacgag 240
ggagtaggga aggtaataca aggtgaggcg catagagccg acttgccatg tctaacggtt 300
cttctgatgt actctttgtc tcttagttgg atcgaacgtg gatga 345

<210> 17404
<211> 393
<212> DNA
<213> A.fumigatus

<400> 17404
gatctgggag gtcaaacgtc cattcgaccc tactggcgtt gctactacgc caacactgcc 60
gctgttatat tcgtcattga ttctaccgat attgagcgac ttggcacagc tgcggatgaa 120
cttgcggcta tgctgaacga agaggagttg cgtgatgcgg cattgctggt gttcgcaaac 180
aagcaggatc aacccggcgc caagggtgcc ggagagatct cggaagctct gaagctcggg 240
gagctgcgag ataggaactg gagcatcgta gcatgctccg ccattgatgg taaaggtcta 300
gatgagggta tggactggtt ggttgtaagt tgccctctct ggctgtccgc tcgcttcgtg 360
cctatacttg atttacaggg tactaacttg taa 393

<210> 17405
<211> 201
<212> DNA
<213> A.fumigatus

<400> 17405
gtctcttgga caataggtct caccattgtc ggaaattccg ctggtaccgc aaaggagatg 60
gaagagctct taactatggc tgtggcagga gacgtgaagg ctcacattga gtgttttgac 120
ttctcctgta tcaatgacgt cctacaaaga ctggagaggg ctgaaatcga cggacgagct 180
gtcttgaaaa ttcccgaatg a 201

<210> 17406
<211> 303
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (71),(85)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17406
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tttgattata naaaggatga tatgnctgtt agtgtcacgt ctgttactcg aggtctaggc 120
gcccacgcag tgatatgcac ggcgaacagt gagtcggcat acattcatag catgcagatg 180
ctccgccgtc tgggggtctt ggtttgtgtt ggtatcccga acgagccttt cagactgccg 240
tcaaccccgt tggacatgat tgtgaaaggt atggggcgca ccaggcgatg tcagcctcat 300
tga 303

<210> 17407
<211> 285
<212> DNA
<213> A.fumigatus

<400> 17407
gcccttcttc gctttttcgc catgagctcc ttcagcagca ctcctgctgg ttcatttctg 60
agccgcatgg agcctgttca tgcgtacatt gcaggtgccg gcttcttagt ttgcgcactt 120
gtcggggtgg ttctcatgct ggcatcccag cacaagaagt ttgactacaa tagcggtatc 180
ttcacttacc tcagattcat ctatgcatcg ttccttaagc cccacaagaa aggtctcaat 240
ggccagcaag atgcgctaga aagcttctac aagactcagg tatga 285

<210> 17408
<211> 240
<212> DNA
<213> A.fumigatus

<400> 17408
gatagctaca acattgaggc catggcttct ttcctaccag ttacccaatt cttctcgcac 60
gtgtaccttg tcgacctgtc tccctctctt tgcgaggttg cccgtcagcg attcgagcgc 120
ctaggctgga agaatgtcac ggtcgtctgt caagatgcgc gctctttccg tctcccccct 180
gagaaaggta tcagccaagg gcccgaagac ccggcatggt taatgggtgg tcgagaggac 240

<210> 17409
<211> 267
<212> DNA
<213> A.fumigatus

<400> 17409
ctgaccttgt gcattggttt cttctctttc aaatggccag attttaccat aaagtttgat 60
tatattggag aatcggtgaa tgtgagggca catccgacgt gggtaggctc tacagtgaat 120
gtcagaaaga gtatggatgt ggctctgtca atgaatgcac agagtgaaat aagcaaatgt 180
tcagtttgta tcctcaacta cctagcatcc tctgccacat tacatttgac tctgcaggac 240
ttttcagatc aatataccac attgtaa 267

<210> 17410
<211> 525
<212> DNA
<213> A.fumigatus

<400> 17410
aacggaacat gtctgtttgt aggccgccaa caaagtcagc atgcgcaaat tatcgatatc 60
atcatcatgt tgttggcata cttggcgatg cacctcactt tcctatcact ctttatgtca 120
atgcgccagc tcgggtcccg tttctggttg gcctattcag tgctcctctc tggtttcttc 180
tccttgttct tcggactaaa ggtcactact agcagtggtg tatctacctc catgatcact 240
ctttctgaat gcctgccaat attggcaatc attgtgggat ttgagaaacc catccgttta 300
acgagagccg tcctgcgtgc tgcgaccgaa tcctaccttc ctgcaaaacc aatggcccgt 360
cggtccacac ccgaagccat tgaggtggcc atcatgcgcg aaggatggcg tatcgtgcgt 420
gactacgcta ttgaaattgc tatcctggcg gcaggcgcaa cttcaagggt acaaggggct 480
ctcccctcag ttttgctttc ttgcggcctg gatcctcctc tttga 525

<210> 17411
<211> 873
<212> DNA
<213> A.fumigatus

<400> 17411
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tcgctattgg aagatgagga gatagtcaat ctatgcctcc gcggcaaaat ttctgctcat 120
gccctggaga agacgatgga acgccatccg acgatgagcc gcttggaagc ctttaccaga 180
gctgtcaaga tccggcgcac agttgtgtcg cgtacaccgt caacgattga tgtttcaagt 240

agcctagagt attccaaagc tccctttgag aactatgact ataccttagt ccatggggcc 300
tgctgtgaga atatcattgg gtatctgcca ttaccagtag gtgccggtgg acccctggaa 360
atagatggtc ggaactattt tattccaatg gcaactactg agggagtact agttgccagc 420
gcgagtcggg gctgcaaagc aattaatgct gggggcggtg ctgtgaccgt catcaatgcc 480
gacggcatga cccgagggcc atgtcttgca ttctcatccg tatctcgcgc agcagaagcc 540
aaacaatgga ttgattcaga cgaaggaaag aagatactgg ccacggcgtt caactccacc 600
agtcgatttg cccgcctgca gggcttgaaa tcagcgcaag ctggcacgta cctctatgtc 660
cgattcaaat cgacaactgg ggacgcaatg gggatgaaca tgatttcgaa aggagttgaa 720
aaagcccttg aagtcatgaa ggggcatgga ttttcagaca tgtcaactat ttcagtgaca 780
ggcaactact gcgtcgacaa gaaaccagcc gcgatcaact ggattgatgg acggggcaaa 840
tcagtagtcg ctgaggcttt ccatcccagc tga 873

<210> 17412
<211> 963
<212> DNA
<213> A.fumigatus

<400> 17412
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ggtccacacc cgaagccatt gaggtggcca tcatgcgcga aggatggcgt atcgtgcgtg 120
actacgctat tgaaattgct atcctggcgg caggcgcaac ttcaagggta caaggggctc 180
tcccctcagt tttgctttct tgcggcctgg atcctcctct ttgacagctt tgctcctatt 240
ttacctttct acatcagtgt gctctgtgtg aaactggaaa tcacgcgcat caggaagcat 300
gtcgagccgc gtagggctct ggaagacgat gacataagca ctggtaacca ggattttgac 360
tcccgtgtct ttggctgcaa ggtcaaggcg gcaaatatat ctcggttcaa atttcttatg 420
gttggcggct tcgtgctttt caatgtgctt cagctttcgt ccctaactta cggcaatgtc 480
agggtttctg actggatgcc gtacctgtcg aacctttcca acactctgat gcctgcccca 540
atcaacccat accgagtcgt acgcaatggt ttggacgata tatacgtggc ttcccgtgca 600
aataacattg aaacgcgcgt tacagtgttg ccgccgatca aatacgtcct gcagtctcag 660
agtaggcatt gtcgggataa ctttgctggc ccgctctgcg atacattacg cggtcgtact 720
cttgggtgcg tgctggcatg gctagaggat ccagtcatca gcaaatgggt gattgctgcg 780
ctcttcctaa gccttgtact gaacagttat ctaatgaagg cagctcgctg gaatctacgc 840
cagagcgagg taattccaga cagctctgca accgtgagcc agacaaagga ctcttccaat 900
aagtatgaaa agaccatgtc aggacctagc gagctgatag actcgcagaa aagcgaacag 960
tag 963

<210> 17413
<211> 198
<212> DNA
<213> A.fumigatus

<400> 17413
ctgggccaac tgcgatcaac cgttcggtcc acttccctta aggcgctaag caagcctcct 60
ccatttttt ccggtgcagc tagccaactg agaatagaac tggtgaacta tggtcaattg 120
gtgatcaact acgatgaact ctcgggccca cttgggtcga ggcgctatgc aagccgcctc 180
tttccttttc tgggctag 198

<210> 17414
<211> 1689
<212> DNA
<213> A.fumigatus

<400> 17414
atgggattta gtgcgctaag tacggagctt atccaactca ttgctcgaca gcttacagaa 60
aaggatacgg cgatattggc tcgaacatgc caactccttt accgcacctt aaacagtatc 120
ctgtaccgtt ataatgcgaa ataccatgca tcgtcggctc tgttatgggc ctgcgaaaag 180

ggaatattag acactgttct ccgcttcttg gaatataata ccaacgacaa tacgcggttg 240
tctagcgatt ggaaaggccg ggatcacccg ttatatgttg ccgcaaagaa cggctatgat 300
gaaatcgtcc gaacactcct gcaagaaggc gtcaaggtag atgcaacgag taaccgccgc 360
cgtactgcaa tttccatagc ggcctctaac gggcaccagt ctgtggtcga tgagctgcta 420
tgtgcagggg ccgactatga ccttgctgac gatgagcgca agacgcctct ctcatgggct 480
gctgaacatg gatttgtggc agttgttgaa caactcgtcg ctgcaggagc caacattaac 540
catatagaca tacacggaca aacgccgctt tatcttgccg catggcgtgg tcgggacgag 600
tcagttaggc aacttctgca agcgaaggct gatacaagta tatctgcaga tataacaggc 660
cttacagcgc tctcgattgc tgcattcaag ggaaacagcg ccattgtcaa gcagctcatt 720
aaagcggggg ccgatataca ccatacaaat gccactggca acactcctct catgctcgcg 780
gtatgtatca gacatattgc cacggttcgt gaactgctgc acgcgggggc caaaacaaca 840
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atggttcgaa tacttattga agcaggtgcc gacgttaaat ctactcatcc agacggacga 960
aatgctcttt ccttcgctgc ggaacgcggg cacattgaga tttgcaaaat actggtccag 1020
gctggctcgg aagttgactc ggtagacatg cttggccgca cggcattatc ctgggccgca 1080
gaacatggaa gcattgatca gtttatttac ttatggcagc tcgaccccca gcttggtcaa 1140
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attagcttcg tcgtctccca aagagctccg ttggatatta cacataaagg gaactgggac 1260
gtggaactga tttcggacgc cattcgaaag ctgcatcgga gcacattcaa attactacct 1320
cctttgcgat ttccatggca gtttagaagg gaagagttta gaagggaaga tgccgcgaca 1380
ctacagaggc cagcctgcaa ccctcttggg atagctgtgg ctcaaggaca cactcaggca 1440
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cccctaatgt tggcagccaa gaggggtgac ttacacgtcg tgtcgctctt ggtaagtgct 1560
ggtgcgtctt tggaccgaaa atgccaaaga gggtgggacg ctgcgaagat agcgagtgct 1620
agtggccacc attctcttgc cttctatctg aaccgggaaa gtggtcgcat gagatacacc 1680
agtccatga 1689

<210> 17415
<211> 1704
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (313)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17415
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acttgcggtg tggcctttca tgtctttgac cgatatggaa cagtccagac taagtataag 180
gaccatccag tgcaaagagg aactggcgtc tggggaaacg agcttgatca tggccctctt 240
ttccttattg aaaaagttca tgttacagca ctggaactac gtcggaaagg gctggggcag 300
aaattagtgt ctntactttt gaacaaagcc agacagttct gcctaaacga gaagggagac 360
ggcgaatacg cagaccttat ctacggttcc gatgaggcct ttgagcgagc atggactcta 420
catgctctag ccagtcccgg aatactaaca gctgatgtcg aatcacagtt agtgggcaag 480
tcagcggaag aacgcttgat gatacgggct cgaattcaat ctggtgctat tgacttttgg 540
cgatcgtgcg gttttcgtcg aatcggagca tctcggtgtt ttgcattttc gttcgatctc 600
cagcatcagt ctcacgctct tgcggcggct tctgatttcg acccccgtag aagccatgct 660
gaagatcttg aggacgaaga actcgaagtt atctatgaga cagatcgttt tactgaggtg 720
aagaaactga aaatgggaag acttcgtgac gcgttgccac tccatcatgc agctctcact 780
ctgacggacg aagaactcaa cgcatttttc gtgactcatg ctgacgatga gattggttgg 840
gatcgagtga ccaactctga agccacgctt ctgcatttaa cagcttgcga gctcaagcct 900
ctaagtacac ggtggctact tgagaatgtc cgccacgccg actcctggaa gacggctcgt 960
gatattgacg ggtacacccc gctcgaagca ttgcaggaga ctctagaaac aatgcgaaca 1020
cgaaaggaat atggcttgtc cagggtgttg aacctatcgg accactttaa agggtatcct 1080

gacgccgcag tatcctgtct ctccttgctg cttggacagg actctttggg gcttagtaaa 1140
gcatgcctcc gattcgggtg tacatgcgga gagtgcgtgg aaggacttct atctgcccga 1200
atgaggagct ctctgatctt tcaggttgag attacgtacg accttatgca ggaggaaatt 1260
gatgatggcg acttttggat aaaagacaac cactacatcc tcgtgcactt cgatcccgat 1320
gtgcgaaaga acctcagaac caataagtca cttcgaaagg gctttgtgaa tattttccaa 1380
attgccgtgg agtgtattaa ggcgagaaaa cttcccaccg cggagaatct caagtggtgc 1440
tgtaacaacc ggagcgagtg gccacctgat accaagaact acctgcgacg cgctggtacg 1500
cagatgggct ttcgggcagt gcttcgtcgt atgttcgaca ccgctaagga agaggatgag 1560
aaagcaggta acggggagtg tcaactcata ttgggggagg aatggtcaca actaccaact 1620
tgcagaaacg atcatgagtt tgaagtagtt gccagggctt gtgggtacgg cggggatgat 1680
ttcatttcgt taccatgctg gtag 1704

<210> 17416
<211> 255
<212> DNA
<213> A.fumigatus

<400> 17416
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ttaagtgact ccaaggaaga aggatggtgg agggaagatg aaagcgaaga tctggattgt 120
gaagaggata ttgaagatca cgagtatacc acctccggtg acacgccacg aacggtgaag 180
attcggctct ttttgaccga tgaggcaatg ggagagttca agtggatgaa aaactttatc 240
gccgtgcacc tctga 255

<210> 17417
<211> 567
<212> DNA
<213> A.fumigatus

<400> 17417
tccgtcctcc tccacttcgt ctcctcatcc tcgccgtgcc catcaccatc ctccacaccc 60
tcatcctcgc gctgcctcac agtccccgcc ccaggcccaa gcggcagcga cggctcctca 120
cccccaccga tccaattgcc ctcctcgtca aaatattcat gcatattctc tgccgtgatc 180
cacccagaac taccatccat cggcggcggc aggcccccat ccgcgctccc catcgtcacg 240
aaaccagact gcatgagcga atctccctca ccatctcctt cctcgtcctc ctccaacgga 300
tcggggtgga gattcgaaca cgccgataca gccgcataca tcatctgcac cggtgtctcc 360
tccttctcgg cttggtcgtc catcgcatcc tcggcgggag cggtggtcgc gccgccgacg 420
tactctgcac ccgttggcgg gacgatcgtc agcgtgatgc tttcctcttc ctcatcctcg 480
gtgttcgtcc caggggcgcc gggggtcgcg atctgcatgt ataggccttg gacttcggcg 540
gggtttccgg gaaggcgcag gcgctga 567

<210> 17418
<211> 2583
<212> DNA
<213> A.fumigatus

<400> 17418
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tcacgagcat tcgaagccga cacggcgaca tcactatctc gcgaggaggg ttctgcgctg 240
agactatacg gacaactgcc atacggaaag ccaactgaat ggggcgtttt agctagccgg 300
gaaagtctca cttactctac agtggactca gaagcttctt ctcaactcgc tgaaaaagct 360
cgttcgctgg gtcgttcgct ttcacggtca aagtcaaccc ggcagctgaa aggtctgctg 420
agaccgcagc ctccaggtcc cctggctcca cttgcagagg cagcggccga gagaccgtgt 480
gacaaaggcc ccaggtacaa agccagagac catgtatctg tctcggcagt cgaaggtgcc 540

ctagagttac cgacagagat gactcccaga caaacgccgg aaaaggaaga agaacgaagc 600
cttgccggac catcgatccg accactgtcg acggtgatgc cttcagtgca tagaagagag 660
cgttcgggca acctcttccc cgttatggaa gaccatcatg aaggatttga actgcctttt 720
actcgagtac gaggtggaag cataacgaca cagaccgccg gtgccattcc agaacagcca 780
gtgccgcctc cgccgtcggc gtatccccca aaccgattcc gcctttcaaa gaacgattcg 840
atgcggttct catcgctgag tctggagacg gcggacagct ccatcttgga cgacagtcgg 900
agaacttcaa ctgctatcga gagtgatttc acttcaccgg cattacctcc ctgcccaacc 960
ttcacaccct tcagcgccaa cgatgtcggc cgcttggaat tcgagcggcg aagtttcgca 1020
gcatcaaact cggcatatcc tgcaccattc atctttccgg acacatcttc tactcgtgac 1080
tctctgaggc tcgaaccaaa ccgtacgtcg cctcgccgca gtttaactac gcgtagtcct 1140
agtcaaacag agcgcgtcag ccctcctcct aggaggagtg aatctctttg ttccaaccag 1200
tccagaaggg aggtcacctc catgccgcac ctggacccga acatgatccc gcatctgaat 1260
gccacgggct acaacggctc gctgctgcct tacttcagtc agttgcaccg gcactccatg 1320
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tag 2583

<210> 17419
<211> 201
<212> DNA
<213> A.fumigatus

<400> 17419
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gtcggattcc ccgattcggc gcagccgccc aaccacgtga tttatctacg ctccgatact 120
gaggagagtc aaagcagcaa caacaacaac gcactggatg gaatgcttgg cccgctgcat 180
catcagttcc tagttaacta a 201

<210> 17420
<211> 324
<212> DNA
<213> A.fumigatus

<400> 17420
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gggcaggccc gggtcatttc aatccgggcc ttcaattcct ccattacccc cagcaacaag 120
tgcaagctgg tcatcctcga acgcgacctc ctctccacac cggccctcaa tgcaatccgc 180

ggctcagccc cgacagcaaa cggatctagc gaccatacta ccaccgctac cgcgagcaac 240
aatgtcgccg ccgccgacgg acaagaagga caagaaaacg agcttgtcgt ggacggtgta 300
gatgtctggg tgacatccga gtga 324

<210> 17421
<211> 711
<212> DNA
<213> A.fumigatus

<400> 17421
gtctcccatc atccccccc caacacactc tctcttctag ctttttatac tgactcaatc 60
ggcagtaaat tcctcctcta cgccccacc gtcgccgccg gcgtctcaat cccctaccct 120
tccatctccc tccatgccat tcagcgcctg cgccttcccg gaaaccccgc cgaagtccaa 180
ggcctataca tgcagatcgc gacccccggc gcccctggga cgaacaccga ggatgaggaa 240
gaggaaagca tcacgctgac gatcgtcccg ccaacgggtg cagagtacgt cggcggcgcg 300
accaccgctc ccgccgagga tgcgatggac gaccaagccg agaaggagga gacaccggtg 360
cagatgatgt atgcggctgt atcggcgtgt tcgaatctcc accccgatcc gttggaggag 420
gacgaggaag gagatggtga gggagattcg ctcatgcagt ctggtttcgt gacgatgggg 480
agcgcggatg ggggcctgcc gccgccgatg gatggtagtt ctgggtggat cacggcagag 540
aatatgcatg aatattttga cgaggagggc aattggatcg gtgggggtga ggagccgtcg 600
ctgccgcttg ggcctggggc ggggactgtg aggcagcgcg aggatgaggg tgtggaggat 660
ggtgatgggc acggcgagga tgaggagacg aagtggagga ggacggatta g 711

<210> 17422
<211> 2058
<212> DNA
<213> A.fumigatus

<400> 17422
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ggcatggctc ataaagaaag gaacggattg gcaggcttga agattgaaac ctcgtttcag 180
cgacatcagt ggcagcgggc tgaaggtggc cggggagcga cggatgatgg cagtggcatc 240
gagggcgacc gtaccaacat ctttcacgat tctggcgcgc gcggttgcgg tactgatcaa 300
gacaacagca tactaagtgg tcttcattca gcgactcctc caatctcggt acctcgtcac 360
gatgatcgtc acacgcacga tgttagctat ccccataagc cagaagaggt ttcggcctcc 420
ccgcttgaga gctacatcca gaaacgacga ccctccataa gctttgaccc taacgtcact 480
ctagattccg gccaacagca gcctctcgaa gagccacttg ccaagggaga tccgagagat 540
cgaggtctct taaagtatca atcaagaacc tcgggcttaa ggaatgcttt gtcccaagaa 600
gacgatgagg agcacgttgc gaagcagatc gactacaacg ccagtcctag aagatatcgc 660
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tggcgatacc tcaatcaccc gaatattttg acactggatg cggtgtacga gacagattat 1320
gccacttttt gcttcacgaa gctggctatt gggggtaccc tctttgatct tgttcgccag 1380
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ctactagacc ctcacaagtc ccaggacggt acacagtcgt ctactcttgt cctttgcgat 1560
tttggcatgt ctgaatggct aaacacggac aatgaaggag actccccagg cccttacgac 1620

gacgctgcgg accggccacc gccgaggaac atcggtccgg ccgggtcgag tactagcgtt 1680
gcgggaagct tggaatacgc ctccccgag ttgcttctct cagacaatgg tgtgattgat 1740
ccttcagtgg acatctgggc attcggtgtc attgtctaca ctgtcattgt tggatcccgt 1800
cctttccagg attcctttac ccctcgtata caatcgaaca ttctcaacgg aacctggaac 1860
cgacaagccg ttctgggtga cgcaagcgac ccgcaagttg taacggacag agaagctgcg 1920
cttgagctga tccagggttg cctagacatg gacgtcagaa gacgttggac tattcgtgat 1980
gtattgtcat cacgatggtt ggatggcttt tccgaaaata cacagaacgg tagcagcgac 2040
tcaatctgga agctttga 2058

<210> 17423
<211> 654
<212> DNA
<213> A.fumigatus

<400> 17423
tggagatttt ctaacatccg gcaacgcagt ttcgctctcg acctcgcgcc cgccaacctc 60
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cgcgaactgg ctaaatcccg ctgcatccac cagaccaagg acggcgtgaa gcttctcggc 180
cgtggcgtat cagctgaagg cggcaacgtc ctcaagcaac ccatccacat tgtcgtatcg 240
cgcgcctccg caagcgccat cgcggccgtc gaagccgccg gcggctccgt gacaacaaga 300
ttctacactc gctcctccat agcccgcatc atgaagcgtg agacgcaccc gttcatctcg 360
gccgcgtggt cgcgcgaaag cgccagcgac gccctcctca aggccgccgg cctggaggcc 420
caggatctcg ccgagtcaaa tatcatgcgc gaaatgggct acaagtaccg gctccctgac 480
ccgacgaagc gtcgcgatat cgaatactac cgtgacccgg cccaccgggg gtatctgagc 540
catctgctca agcctctcga gggacccagt ttgttcttcc gctcgccggc ggagcgcaag 600
tcgtctgctg gcgtcaagaa ggaaaaggtg ctgccggaga acagactctg gtag 654

<210> 17424
<211> 270
<212> DNA
<213> A.fumigatus

<400> 17424
ctggattccc agcagcaaga tggaaagcag gaacatccta tggccatcat catcatcagt 60
ctcagagcag aaggaaaatg ttacagctgc tatggctatg gacatacctt agtcactacg 120
ctccccgccc cgattgtcac tcccttccca attgtaaccc ctgggaggac gatcacgttg 180
ccggccaacc agcaatcctc gccgatatgg atctcttttc ccagctccgg accctcagtt 240
ccattgcgca cagcggggtc cagcggatga 270

<210> 17425
<211> 930
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (89)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17425
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tcccaagaac aaagcgtctc ctccgggana cggcccgaac ccagcaacat caccagctca 120
ccaggttggg cgacccgcgc gacctgcggc ggccacgatc ccgattcccc tccccccctc 180
gacccatcca agtatcccaa cggcgaaaag tccctcgccg gcatatcgct acgcgctttc 240
cttctaggca caacgctcgg tatctcaacc agcatcacgc tctacctcct cctcatctcc 300
ccgcacccat tgtggcgcgt tcccttcttc gtctcctcgc tcgccctctt ccacttcctc 360

gaatactggg tcacagcgca gtacaacacc cgttacgcct ctatctcagc gtacctcctc 420
tcctcgaacg gctgggccta caacgccgcg cacagctctg ccgtcgccga gtgtctgctc 480
tcgcacacct tcggcccgcg cgatggatac acttcgttga ccgcgtccgt caacgggatc 540
aagtggcagg tcgttctggg agtcgcgctg atggtgtgtg ggcagacgat tcgcacgctg 600
gcgatgaagc aggcggggac gaatttcaat catacggtgc aagtcgagcg gcaggagggc 660
catacccttg tgcggcacgg ggtgtatgcg gtgctgcggc accccagcta ctttgggttc 720
ttcgggggggg gtatggggac acagctggtg ctggggaatg tggtttgctt cattgggtat 780
gcggccgtgt tgtggaactt cttttacaat cggatcaagc gtgagtgttt tcttccgtct 840
gtcgctgatt gctggcgaac tgggctaacg gaacgtaggg gaggaaaaat tcttggtatg 900
tttctttgga gacgaatacg tcgagtataa 930

<210> 17426
<211> 483
<212> DNA
<213> A.fumigatus

<400> 17426
ccccaaccat ctaccttgag atgtgggagc agcatgtcgc gcatactcac tggaccccag 60
ctgatagtcg atagcattgt tgatgacaag actcctcttc cacctccaaa aaaggacccc 120
gccgaagacg atgctcttct atcacgggag ccgtggatcg aggcaccgat ccggatcgac 180
tacgggttca acgtgcggct aggagaaggg gtgttcatca acttcaactg tgtcatcatc 240
gatacttgcc ttgtcactat tggggcacga acgatgctag gtccaaacgt cagtctatat 300
agcggaactc atccgctgga ccccgctgtg cgcaatggaa ctgagggtcc ggagctggga 360
aaagagatcc atatcggcga ggattgctgg ttggccggca acgtgatcgt cctcccaggg 420
gttacaattg ggaagggagt gacaatcggg gcggggagcg tagtgactaa ggtatgtcca 480
tag 483

<210> 17427
<211> 648
<212> DNA
<213> A.fumigatus

<400> 17427
tttttttgg gccggttccc attccattct ctctggtacc aacagcctaa ccgctctttt 60
cttctgcttt ttccaagagg aagctgtccc ttctggcttc ggtggccctg gtgccattgg 120
tgtctgccca ttatttcttg gacgtccttg ttatcgatgg caagggagac cagaagcaac 180
gagttcgttc gctccaacac ccgcccggcc aagtacaacc cgaccaagtg gaagaacatt 240
cgcgacgaca tgacacctga tatgcccgac ttccgctgca acaaaggcgc ctttaccttc 300
gccggccaga caggcacggc tgaggtgaag gccggctcca agcttgctat gaagctcgcc 360
gtcggggcca ctatgcagca tccgggccct gccttggtgt acatgtccaa ggctccaagc 420
agcgccaaga cctatgaggg tgatggtgac tggttcaaga ttcacgaaga aggcgtttgc 480
aacaagaatg ccgacttcac caaggacgcc tggtgcacct gggacaagga ccgcattgag 540
tttaccattc ctgctgatct ccctgacggg gagtacctca tccgccctga gcacattggt 600
atgcgctttt ttttcccccc gcatctttca ttatccatgg atacgtga 648

<210> 17428
<211> 315
<212> DNA
<213> A.fumigatus

<400> 17428
gttcagcaga ttcaccgcgt gtctgtctct actattcgct tcttctaccc acagtgtagt 60
agtttttttt gggccggttc ccattccatt ctctctggta ccaacagcct aaccgctctt 120
ttcttctgct ttttccaaga ggaagctgtc ccttctggct tcggtggccc tggtgccatt 180
ggtgtctgcc cattatttct tggacgtcct tgttatcgat ggcaagggag accagaagca 240
acgagttcgt tcgctccaac acccgcccgg ccaagtacaa cccgaccaag tggaagaaca 300

ttcgcgacga catga 315

<210> 17429
<211> 321
<212> DNA
<213> A.fumigatus

<400> 17429
ccatactcca gctgcgccca agtcaaggtt gttggcggtg gcaccggcac ccccggtcct 60
actatcaagt tccccggcgg atacaagaaa gacgacccgt ccttcaactt cagtctctgg 120
aatggctaca aggattatcc tatgcctggc cctactgtct ggaccggcgg atctggctct 180
ggctctagct cgtactccaa ggttgccaac gtcaccagct ccgatgagtc ctcccagtct 240
ggtgcttctt cctctcaggg cactgtgagc acctgcccca acaagtacaa ccgccggcac 300
gctcgtcagt tcaagcccta a 321

<210> 17430
<211> 906
<212> DNA
<213> A.fumigatus

<400> 17430
gactctcagc tgccctgtga gcaccacaat cttccatatt gtcaccggct atcatatcca 60
cccatcaaca ttcctcgagg tctcacaatg gtcccaacca ttatatattc ggccatcttg 120
gcgttgagcg ccttcacgcc ctcggtcttt gcccagactc gatcctctgg ttgcggcaaa 180
cagccgagtc tcgccaacgg cgtgcacaac atcaatggcc gggagtatat actcaaggtt 240
cctgacaact acgataagaa caaagcccat cacctagttt ttggcttgca ctggcgcggc 300
ggcaacatgt ggaacattgt cgacggccaa agtatccagc cctggtacgg ccttgagacg 360
cgcgctcagg gcagcgccat attcgttgcc cctaacggca aaaatgctgg ctgggccaaa 420
tacggcggcg aggatattgc cttcatcgat gcgatcatca agcaggtcga aagcgacctt 480
tgcgttgatc aaagctctcg ctttgcaacg cgattcagct gggcgggtga tatgtggtat 540
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atcagcggtt gcgacggtgg aaacgaccca attgcgtatc tcggcatcca cggcatcaac 660
gatggcgtgc tgcccttcca agggggcgtc aacgtggccc agaagttagt ccgtaacaat 720
ggatgtcagc aatccaacgt tggcacacca cagcctggca gccgtggctc ggtccgcacg 780
gacttcaagg gatgttcgaa gccggtttca ttcattgcct atgatggtgg ccatgacgct 840
gctcctcttg gtgtgggtag ttctctggcc cctgatgcga cttggagatt cttcatggcc 900
gcttga 906

<210> 17431
<211> 702
<212> DNA
<213> A.fumigatus

<400> 17431
gccaacaatg gattggaggt ctcctgcgac tccttccccg ccgacgacca aaccgatccc 60
gacgcctaca agacagcaat cgacgccctg gagcccggca gcgccatcac catcttcact 120
cctgacccca cccacttccc cattgccctg tacgccatcc agcgtaaaat ccacgtcatg 180
atcaccaagc ccgccacaaa gctgctgcag gaccacctca ccctcctcga ggagtcccgc 240
aagcacggcg tcttcgtcta catcgagcac cacaagcgct tcgatcctgc ctactcggac 300
gcccgcgcca aggccaagaa cctcggcgac ttcaactact tctactccta catgagccag 360
cccaagagcc agctcgagac cttcaaggcc tgggccggca aggagagcga catctcttac 420
tacctcaact cccaccatat cgacatcaac gagagcatgg tccccgacta cactcccgtc 480
aaggtcaccg cgtccgcagc caagggcacg gccgtcgggc tgggctgcgc cccggagaca 540
gaggatacca tcaccctgct ggtaaactgg cagaacaagc aggacccctc caaggtcgcc 600
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tacttccact gtagggtcat ctcgtccagc ttttttcggt ga 702

<210> 17432
<211> 276
<212> DNA
<213> A.fumigatus

<400> 17432
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acgggctacg ggtacgtcag tttcgaaaag ttcatcgacg ccgtcacggc cctgaatgag 120
ggtcgcgtga cgctggacca gcttgatgcg cggcccctgc caaccctcaa gaataccatt 180
gccaccacgg cgatcctgca cgcgggccgg atttcgctgg acgagaaccg cgcggtggag 240
attgttcacg acggcgacaa gtgggagttg aagtag 276

<210> 17433
<211> 2043
<212> DNA
<213> A.fumigatus

<400> 17433
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tacctccccg cggacctgat ccgttccctc accctcatac gtggcttgga cgaacgttat 180
ctcgaggcta cacaaaatgt tcacgaactg accaagacgt ggggccagct ccccgacctt 240
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caagcaatca acgcgcgcga gtgtgcttat gccgaagcgt gccgtctcta cgacgttgtc 360
gaccgacact tcaatcggct ggagtgcatc aagcagaaac tccatgcact gccgaaacca 420
gagtcgcgcg aacctacacc tccagagact cagaccacgc ttaataagcg aggccgatcc 480
tcaaagaagg gcgaggccgc tgcgccgacg acaacgcgca taaaactacg gcttgatggt 540
gcggcaaatg cggggactag accagaacaa aggtcgagga gtcggcgggg aaagcttgct 600
gcggatcacc tcgccggcct tcatccggac tccccgatcg ctagcaccga gcactcagat 660
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cagaaggatg gtacaacgag ggaggacatt cgcatagatg aagatggcgt gttggaggag 1920
attgacccca acgaaccgcg gtattgtctc tgcggcgatg tcagcttcgg aacgatgatc 1980
tgctgcgaga accaggatgt aagtttttgc cttgtgtctt caatttcttc aattcattac 2040
taa 2043

<210> 17434

<211> 2553
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (2525)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17434
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cccgtgtcgg cccgccatga cgtgcagcga cttgtccgtg tccgacccga attccttgga 180
ccgggtgttg acgactgctt ctccccggg ccctttttc accatatggt tgactttgat 240
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<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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<212> DNA
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<212> DNA
<213> A.fumigatus

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cccccgtcaa ggagatcaag tcgcagcggc ccaccgtcac catgctgtcg cacgtctggt 240
acgccaagga catcaagacc gccctgctgg ccgccgacat catcatcaac cagtggaagt 300
tcgacgacta ccatctcgac atctacggcg ccatcgacaa ggccccgacc tactccaccg 360
agtgccagga gatcatcgcc tccaagggcc tccgcggccg cgtcaccctc cgcggcagcg 420
ccgaccccat ga 432

<210> 17444
<211> 309
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (215),(216),(220),(222),(223),(224),(230),(231),(232)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17444
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atcagcaacg tcactaaggg gccctgcttg ctgctccacc acagtataaa actagactat 120
gaacaaaaga gtactattct cgactggatt aaaataaagt tgtcaatgaa aaaaaaagga 180
ctagtatgcc acaattgtca agcgagagag ggcannacan annngaaaan nnaaaaagga 240
aaatctgagg aagtcatcag tacaaaaacc tcttgcctca attctctcat tccctcaact 300
tcattctga 309

<210> 17445
<211> 285
<212> DNA
<213> A.fumigatus

<400> 17445
aatgtggaca gcatcctgac acaaccgaat atgtacgccc gtggcattct cttcggaaag 60
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gatatcgagt tcaagacgaa aggatacttt tccggcacct acaacgcaat cggagggacg 180
atcaagaatg agaaaacggg cgaggtatac tatgagctgt ctggactttg gaatggagag 240
atgttcatca aggatgttca tgtatggtgc ccgagtgtgt cctag 285

<210> 17446
<211> 264
<212> DNA
<213> A.fumigatus

<400> 17446
tcatcatttc tcgaaagttt catggctcat ccggagaccc ttcttcccat gcccacaatc 60
aatgaccccc tcgagcgctt cgtttccgtc gtcaagtttt acctgagcgg atggcacatt 120
aaacctccgt acgttcactc gacatgctcc cattcggttt tcaaagacga gaccacctct 180
ctaacgtgga tactgcagag gcgtgaagaa gccgctgaat ccgattctcg gagagacctt 240
cacttgttac tgggattacc ctga 264

<210> 17447
<211> 318
<212> DNA
<213> A.fumigatus

<400> 17447
actcacaaga aggatatcct gttcgacgcg acacacgcaa aacatacacc gcccagtacc 60
cggccgattg aacagcaggg cgagcgggaa tcgcaacggc tgtggcacag cacagtaaag 120
gcgctccttg cccgcaacca cgaggcagca acggacgaaa agtcaaagat tgaagagcgt 180
caacgtgaag aggccgctaa gcgggccgat gaaggagtgg aatggcgtcc gagactcttc 240
cgccctgttc acgggggccc cggaggcccc gatgagggtg aggaggactt ggactggatc 300
atcagcgcgc atatgtaa 318

<210> 17448
<211> 213
<212> DNA
<213> A.fumigatus

<400> 17448
gtgactgcgc ggcccttccg ccccgtggtg aagacgtatg gggtcgagga gggcattgtg 60
catcttgtcg tgtggacaaa gttcgagctg gaagatgatc ctgcgacgga tgatttgacg 120
cctcaagcga ggaaggagat tgatgattat gtgaccagga cgtttcggtc gcggatgccg 180
gcggaacagg tttgctgttc taactgtcca tga 213

<210> 17449
<211> 294
<212> DNA
<213> A.fumigatus

<400> 17449
cgtggatact gcagaggcgt gaagaagccg ctgaatccga ttctcggaga gaccttcact 60
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caccctccga agtccagcta cttcttcatg gcgccagaac accacatccg aattgacggg 180
acgttgaagc ctcgcagcaa gttcctagga aactcggcgg cgagtatgat ggagggtgtc 240
gccattttac gcttcctgaa ccgtggccag aacccagaga agggcgaacg atag 294

<210> 17450
<211> 549
<212> DNA
<213> A.fumigatus

<400> 17450
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gtcaacgtga agaggccgct aagcgggccg atgaaggagt ggaatggcgt ccgagactct 120
tccgccctgt tcacgggggc cccggaggcc ccgatgaggg tgaggaggac ttggactgga 180
tcatcagcgc gcatatgtaa gtgtgacggg tacgttcgtc tatcatataa tcggaagttg 240
accaggacct acagtgactc gcaaaatcct gaactcgccg ccaaacaaat cctagccatc 300
gcgcccattc tggatggcca gaaagacaac cgtcagttcc agattccacc ccacgtaccg 360
aagaaagaga aagaggggaa aaccgctccc tccgcatctg accctgttga tgcaaagaac 420

actggtagtg acactggctc cggagcctca gaagctcccc aaccttcgag cgagggcaat 480
aactctgtag aacgcaagga ttctcggacc tccgaagtcg atgaatatgt cgacgcggag 540
gaaaaataa 549

<210> 17451
<211> 414
<212> DNA
<213> A.fumigatus

<400> 17451
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gcctcggctg cttcaacctc aacgtcggcg cccacggcgc ctgcgtcgcc ttcgtcaaga 120
ctttcggcct gcctctcctc gtcgtcggcg gtggcggcta taccccgcgc aacgtctccc 180
gcgcctgggc ccacgaaacc tccatcctca ttgatgccca ggacctcatc gatcccaaca 240
tccccgacac cgtcgccttc cgcaaccact tcggcccgga ctactcgctc ttccccccac 300
tgtcggaaat gcgcaagctc gagaacaaga actcccgccc gtaccttgcc ggtcttgtcc 360
agtccgtccg tgagcagctc cgctatatcc agggggcccc tagtgttcag atga 414

<210> 17452
<211> 369
<212> DNA
<213> A.fumigatus

<400> 17452
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agtgacctct cagtcttctt catttctcca cattcttccg acgcttcagc ccttcggatt 180
caacctctcc acctctactg tgtacatctc gaatctggtc tctcacagta tgtcttagac 240
gcatatgatt tttttttcc ctttaggaca ctagcctctt ctcctctttt tatccatcca 300
ttttcctctc ctaatccttc ccaaccggtc cgacctcatg gcgcgctccg ccattgtcca 360
agaatataa 369

<210> 17453
<211> 1527
<212> DNA
<213> A.fumigatus

<400> 17453
cctcttctcc tctttttatc catccatttt cctctcctaa tccttcccaa ccggtccgac 60
ctcatggcgc gctccgccat tgtccaagaa tataatcctc cgcctccgtc gaatcccacc 120
ctgagcgttg atcgaaaagt ctctctcgag cgccagaaga atggcatccc tcgtcctcaa 180
ggctaccgag tctcatggca cgccaatccg gctgtggaac cgcaccactt tggccaatcg 240
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caccacgcca tggacctcta tctggcccgc gctgcgacgt acgaggagat ggctgagttc 360
caccagacgg attacctcga tttcttgagg caagtgatgc ccggggacat ggagaatccg 420
gagcaaagcg aaaacattgc gcggttcaat ttcggcgacg actgtcccat cttcaacggg 480
ttgtacaact actgctcgct ctacgccggt ggtagcatcg acgccgcgcg caaactgtgc 540
aacaaccagt ccgagatcgc ggtgaactgg tcgggcggcc tgcaccacgc caaaaaggcc 600
gaagccagcg gcttctgcta tgtcaacgac atcgtcctcg gcatcttgca gctactccgc 660
caccacccac gcgtcatgta tatcgacatc gacgtgcacc acggcgacgg cgttgagcag 720
gccttctggt ccaccgaccg cgtcctcacc gtctccttcc acaaatacga caaggataac 780
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caggggggccc ctagtgttca gatgagcttc atccccccag atatcctggg tcttcgcgag 1380
gacacggaga aggagattga agaggcgacg gctcggctgg aggaggagcg cgaggagcgc 1440
gaggggcccg gtagtgcggc ggtcaagagc aatcgacgcc gagaactgga gaggggtgcg 1500
ggataccggg gagagctcta ttcttga 1527

<210> 17454
<211> 186
<212> DNA
<213> A.fumigatus

<400> 17454
atgcctcgcg agccaaagag gggaatgaca ccatcacaat cagcccaaat cacaacaccc 60
caaattaaca ctgcattcat cccacaagtg atctattttg gcatttctat tgatagcaaa 120
attatcagtt cccctcgtcc gtttcgtatc ccaacaggag ggaacccaat aacgctctgg 180
atataa 186

<210> 17455
<211> 255
<212> DNA
<213> A.fumigatus

<400> 17455
caaggccaag gacaaagacc aagtgtatgt actgaccagc acagctcact cgtctcgaat 60
gcggttctgg cgtatacatt gggcctgcgc catgcgtttg atgccgacca tatatcggta 120
agaccgaagc agtctgtagc tcggcagcta tctaacatta tccaggcgat tgatttgatg 180
acccggagat tattggcaac cggccagcag cccgtcaccg ttgggacgtt cttctccctc 240
ggacactcga cgtag 255

<210> 17456
<211> 447
<212> DNA
<213> A.fumigatus

<400> 17456
gtctcttcca gtcggtcaat acaaggcttg ggcttgtctg acggtaccag cattgtcatc 60
atcacatcca tcgtcgtagc agctaccgct gcggcggtgt cgtcgcgctt cgacagcttc 120
agcaccgtcg gcgggatcat cgggacgtcg gtcagcgccg cgttcctgat cctgctgggc 180
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cctgaaggcc aggaggacga ggcgtggaag attgagggcg ggggtgtgct gttcaatgtg 300
ctcaagcgca tgttcaagct gatcaatcgg ttcgtggttc ccagatcagg tgtacaaacg 360
atccagctga ttcggtggtt aggccttgga agatgtaccc cttgggtatt ctcttcggtc 420
ttggtttcga cacatcatcc gagatag 447

<210> 17457
<211> 489
<212> DNA
<213> A.fumigatus

<400> 17457
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acgacggccc atccagccag ggccaccggc ccaagctata ccggcaaacg acgtccgagc 120
acgacgaagc ggtcccctta cctcccccgc cggactgggt caagagccac gtcatgtacg 180

cctgcatgcg gtccgcaccg ctccacccgc ccaacgaggc gttcatcaac cagctggtca 240
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ctatcgccgc gctggccgcc tacccatacc agattcgacg gccctccgag atcctcaccc 360
tccccggctg cgacgccaag atcgccgccc tcttcgccga attccaagcc agcgagcacg 420
gtacgctcgc cgccgccgac gccctcgaca ccgaccccgt cctcaaaacc ctccacctct 480
tctggaaca 489

<210> 17458
<211> 963
<212> DNA
<213> A.fumigatus

<400> 17458
actgctatca tgggtgttct tcgtttgcct cgcccgacgg gcatctatgt ccccaactct 60
cccacccgca gcctcactac cgatatgatt tcctcgcctc tgtctcccgg cttcaacttt 120
gattgcgaaa cggtcacgcc ttccatcatt cctgctctgg actacatctc ctccaagctc 180
caacagaaaa tgatgcacgt caccctgctc gttggccggg gaaagcccta ccccacagga 240
caaccgtccg atctcatggt catccccatc gcacaactcg acccgcagag ctggcgcacg 300
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gccctggcac gcagccagta tgagcgccag gccaacgaat acttgatcca gcaatccatc 420
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tacaccttca agcgccgcct ctgcatcctg tcaaaccgag acaacggcat cgaagagccc 540
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ttcagcaagg cgtttttcca ccgcgtgtac gaacagcttg atgtccgcga tgatctcctg 660
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cggcccaggc ccgagtattc acggaaatcg cccattcgcc ccgttcgtcc acgcagacag 780
cctacgccgc cgacctgcag accggcctcg gcgaagaagg gacctaagac gcctctctcg 840
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cgtccgatca acccgaccgt gaccaagtgg acgccgtcgc cgactgtact tgctgccgcg 960
tga 963

<210> 17459
<211> 597
<212> DNA
<213> A.fumigatus

<400> 17459
gaactatcag ctggaatgtg tctcttggac acaaccgacg gagctctaat gctttcgctc 60
tacatccaac ccgctgccaa cttcctccct gccaaacgcg acagcacctc gtccgagacg 120
cccctgatcc tcggcgagga ccatgagatt gaaccgtccc agaaccaccg cgaccccgtc 180
gccttcctgt actactctat cgtgctcact ctcctgaccg tcatcgtggc cataatcatc 240
ggcatcatcc agctcctcac ccttgtgctg aacgtcgccg aacccactgg cagattctgg 300
gatggcgtac agaccgcagg agactactac gacgtcattg gtggagcaat ttgcggatgc 360
tttcttatcg tcggtattct cagcgtggtg ctctacaagc cctggcggag gtggatcgcg 420
aagcggcaag ggaagagcac cgcggcggat gaagaaagct caagacctcg agatgaactg 480
cctccagcta atactggaag agctgttctg agtgaggaga gcaatgcctc tacctctgtt 540
gtcagttatg gggctgtagg caagggcgca acttcgcagg tcgtggcgca gccatag 597

<210> 17460
<211> 543
<212> DNA
<213> A.fumigatus

<400> 17460
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gccggcggct gcacctccca caagccgatt cgcgtcccgt cgctcgcgcg aaccgcacga 120

cggcccatcc agccagggcc accggcccaa gctataccgg caaacgacgt ccgagcacga 180
cgaagcggtc cccttacctc ccccgccgga ctgggtcaag agccacgtca tgtacgcctg 240
catgcggtcc gcaccgctcc acccgcccaa cgaggcgttc atcaaccagc tggtcaaaat 300
ccgcaagacc cgcgagctca cgctcgacga gatcggcgtc cgcgcctaca gcacctctat 360
cgccgcgctg gccgcctacc cataccagat tcgacggccc tccgagatcc tcaccctccc 420
cggctgcgac gccaagatcg ccgccctctt cgccgaattc caagccagcg agcacggtac 480
gctcgccgcc gccgacgccc tcgacaccga ccccgtcctc aaaaccctcc acctcttctg 540
gaa 543

<210> 17461
<211> 204
<212> DNA
<213> A.fumigatus

<400> 17461
ctctcctcag cgtcgaccgc atctacacct tcaagcgccg cctctgcatc ctgtcaaacc 60
gagacaacgg catcgaagag ccctacatct cctcctgcgt gcatctcctc caccgcacca 120
tccgcgactt ccagggtcgc cccttcagca aggcgttttt ccaccgcgtg tacgaacagc 180
ttgatgtccg cgatgatctc ctga 204

<210> 17462
<211> 267
<212> DNA
<213> A.fumigatus

<400> 17462
gggcgggggt gtgctgttca atgtgctcaa gcgcatgttc aagctgatca atcggttcgt 60
ggttcccaga tcaggtgtac aaacgatcca gctgattcgg tggttaggcc ttggaagatg 120
taccccttgg gtattctctt cggtcttggt ttcgacacat catccgagat agccctgctt 180
ggtatctcgt ccatcgaggc tgctcgcggg acggactttt gggtcatttt aatctttcct 240
attcttttca ccggtgggtc tgcctga 267

<210> 17463
<211> 1263
<212> DNA
<213> A.fumigatus

<400> 17463
tcgcctaatt gtcagataca gcgaagcaat ggatatacac cccccgctat gtccgatatc 60
acgacatata cctcgctgaa acatgaccta aacgagagcc ctgacgggct cgacttttca 120
tccctgccac ctatcttcgt cctctcgaca catctcgagc tggatgctct gcatcaaatc 180
gaggatgacc tcgtgacgcg cggcgggcgc ctgacgtatg atatctccga ggcacggctc 240
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tggaccgagg aggtctctgg ctctggctct gtctctgctc ctctgcggac gagccatgaa 360
ccgcctgtga agaggcggcg ggttgacgtg gttcagcagg gtaaaccgcg tggggcgcag 420
ctagaggata ttgacctcgg tactgagacc gtggatgagg aagatgggat gcggagcttg 480
catgatacac ggggccattt gcggcggccg cgatcggtat ctcccgatac ggcgtctgtg 540
gcctcgacgc cgtcactgac gtcttcggtg gctactgcgt tggaggatca cgagcaggcg 600
gatgtggtga cggtggtcaa gctggactgg ttaagtgaag tcctgaggac tggcacgctc 660
gtgcctcttg acccgttcgt ggtttaccgc ggccgcagga ctgcgcagcc tgcgtctgaa 720
gcaagcgcgg accagtcgaa aggaatcctg gagcgggcga agcaagatgc catgaccagg 780
ccggcggctg cacctcccac aagccgattc gcgtcccgtc gctcgcgcga accgcacgac 840
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gaagcggtcc ccttacctcc cccgccggac tgggtcaaga gccacgtcat gtacgcctgc 960
atgcggtccg caccgctcca cccgcccaac gaggcgttca tcaaccagct ggtcaaaatc 1020
cgcaagaccc gcgagctcac gctcgacgag atcggcgtcc gcgcctacag cacctctatc 1080

gccgcgctgg ccgcctaccc ataccagatt cgacggccct ccgagatcct caccctcccc 1140
ggctgcgacg ccaagatcgc cgccctcttc gccgaattcc aagccagcga gcacggtacg 1200
ctcgccgccg ccgacgccct cgacaccgac cccgtcctca aaaccctcca cctcttctgg 1260
aac 1263

<210> 17464
<211> 408
<212> DNA
<213> A.fumigatus

<400> 17464
tacaggccgt tactagggag atccaagaaa cttgggaaag tgaaaggaat cgtacctcgt 60
aaaatcccct gtaagtcgct ccataacttc ctcatccaga ctctccaatg cataaacact 120
ttgcagctgt cgttcgtcat cctgataggc ctctatcatg gcctgttcga gatcttgcca 180
cctggagaca tcagcagaag tgtcgtctgt tgggaacatg attgcgaagg tcgactgctt 240
ccgccttgcc cgcccccggc gctggatgaa ggacttgagg ttgggtggtt tgtcatagca 300
cacgacgacg ctacaggcac taagatcaat accttcttcg aggacgtctg tggctatgat 360
aaggttcttg cgaccgctgc ggaaatcgtc cagtgtatcg cgctgtaa 408

<210> 17465
<211> 513
<212> DNA
<213> A.fumigatus

<400> 17465
cgggcgttcc gtcagcggaa ggaagcgcat atccgggagt tggaaggcaa ggtgaaggca 60
tacgagagca tgggcgaagc gatcaaagct ctgcaggcgg aaaactacca gctccgggag 120
tacatcatca acctgcagtc tcgcttgttg gattctcaag gcgaggttcc ggagctacct 180
ggcaacatcg acctgagtca accgcggagc gaaattcctg tgcctcctat tccaaactcg 240
gggacggcca ctactactgc ccctcctcca actgcacccc agcaacccca accttctcac 300
gatcaagccc ccacatcgaa tgacgatatg aactccctga accgcatagc tgttgccggg 360
cttggaatgc gcaaacctcc taccgaagag gcaaattatc tcggcaacaa ttttcaggca 420
caggcaaggc gcgtccgtcc tgacgaagga caacccgaag cttcggaact gcccaagcag 480
gaacaaacgc atggcctccc actcatatca tag 513

<210> 17466
<211> 447
<212> DNA
<213> A.fumigatus

<400> 17466
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tgtgcattac acccgccaaa caccttttcac aatcgtcgcc ttgcgtctgc taacatcaag 120
tctctagtgc tccatgatca gcttctagct gctcaacatc agcatctgac gcatcctcag 180
caagctcgac cccaacctcc tgcaccgcag cctccgcaca tgcagcccaa cacgccggct 240
cgcgatcaga ataacatcga tcctgccatt tcaggcgcta ccatgctaac cggcccaccg 300
caaactccca cccagcctga tgtaactggc caggagaccc cgaaaaccta cggcaaacgg 360
ccgttatcca cctcgaaacg cgccgcacag aaccgtgccg cgcaggtacg tgcgctccgg 420
aaaactgttt acaagatttg tgactaa 447

<210> 17467
<211> 1224
<212> DNA
<213> A.fumigatus

<400> 17467

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acgaactccc tgcttgaact tgctgactcg ccatccaaga tggtcgaatc caaacctgat 120
gcggtatgca gaacaccgcg cttgcaccga caagaactcc tgaaattcac ccatagaccg 180
cacttgcagc agatttggta cacaccgact gatcctgcgg ggttcaggag cgcaagtctg 240
actttggggg cactttacca cgcctgggaa aacttggata tcggggatga cccttatata 300
cagcggctca gaaaaagttc ccttgacgac agagctctga aaaaagccct tttaacgggc 360
aaaacgtatt gtcgggagca gttgagaaga ttcgtcgatc gaagtcgcca tatcttcgaa 420
gagctcggag aatgggctgc cgagtactac atctacgcgt ccatcaagca gctcagggat 480
cgcgtccgcg actcgtatat gagcggtgac tgggacgaag ccgagaaagc gtacctagta 540
gactttctct ccaaaatacc gacttcagat attcattttg cgttgaacga tccggatggt 600
tttcgcatct ccccgaagtt tgaatctctc ctcaacttcc tggactcatc ggatcagcgg 660
gagttctcgg ggctgatctt tgtcaaacag agggtaacag tcagcgcaat gactagcctt 720
ctttccgtgc atccttacac gcgcgaacgg ttcagatgtg ctgcctacgt tggctggtcc 780
aacagcagcg ccagcaagga catccttggt gatcttttga acatgcagtt acagcgcgat 840
acactggacg atttccgcag cggtcgcaag aaccttatca tagccacaga cgtcctcgaa 900
gaaggtattg atcttagtgc ctgtagcgtc gtcgtgtgct atgacaaacc acccaacctc 960
aagtccttca tccagcgccg ggggcgggca aggcggaagc agtcgacctt cgcaatcatg 1020
ttcccaacag acgacacttc tgctgatgtc tccaggtggc aagatctcga acaggccatg 1080
atagaggcct atcaggatga cgaacgacag ctgcaaagtg tttatgcatt ggagagtctg 1140
gatgaggaag ttatggagcg acttacaggg gattttacga ggtacgattc ctttcacttt 1200
cccaagtttc ttggatctcc ctag 1224

<210> 17468
<211> 1383
<212> DNA
<213> A.fumigatus

<400> 17468
aggggtggct ggatacatac ggggggaagc gacccggcca tggaagtcta ctcgcgtggc 60
cacaacccac tgctcatggg cgtggttcga gatcattcgc gttacggaga aacatttttg 120
ttccggaaat ggcttgtctc tcaaccagaa cccgtcatgt tcgatttgtg gagttggaat 180
gtgctccctt ttccgcatag acgcaatttc gtgggtcgtc agacgctggt taatagccag 240
gtggatgtcg atgaagcaat cccggactct gcagccaaga accccattgt cgctgcagag 300
gcgtgcacca tcgataggct tccattcaca atggctatat tcggcctgtt catctccgcc 360
attgtcgagc aattggagat tgaattgatc gcaacccgac tcagagacac gatcctcaga 420
gatgtcagct tcaagagcac tgatcacatc attaccgcaa tcagtacccc tttggctcac 480
agactgacca attaccagcg gtacgagttc ctaggcgact cgatcctcaa attctctgtt 540
tcctgccagt tgttctttca gcacccgaac tggcacgaag gttatctatc tgaggggcgg 600
gacatgatcg tgcagaatcc tcgccttgcc aaagccgcgc tggacaccgg cctggacgcc 660
tacatcgtca ccaagaggct tgcgtcgcgg aaatggtctg ccccgttgat ctcggaaaag 720
ctggagcggg tgccggccaa gcgtcaaatg tcgacgaaag tgctggcaga cgtggtagag 780
gcgctgatcg gagccgcata cgtggacggc ggccactcaa ccgcacaggc atgcatccgc 840
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gctcccgaga gcgcccggca tatgatgaac gatcgactga aagaccacat cggctacaca 960
ttcgaggatg agtccctcct cgtcgaggcc ctcacccacc cctcctgcga ctacgattcg 1020
acaacccagt cctaccagcg tctcgaatac ctcggcgacg cagtcctcga catggtcatc 1080
gtctccgcga tcttcaacca ccgcatccag cgcccgcaag gtgacatgac caagatcaag 1140
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gagaaacttg acgtcgcaca gacatccaag gactccttcg ccgtgacttc ctcccaggaa 1260
tccgtcgagc tctggcgctt catgcgctac cgcggtcagg gtctcaaagc cgcccgcgac 1320
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cga 1383

<210> 17469
<211> 1032
<212> DNA

<213> A.fumigatus

<400> 17469
gtcgtattgc tgattgctat gatacaggca aaggatcgac cttatctaga agcccacttt 60
ccactactcg tcccaccaat tcttgccctg atagacgacg atagtgtcac ctacaagaca 120
cgcggttgcc ttttcttgac ccaactcctc acaccaatcc gggaaagcaa atctgacatc 180
ctccagagga caaacctggc gtctgtcttc gaggacgccg tcagaccatg tctcctgtca 240
ttgccatcaa tcacacccga agatgacgcc atcaaattgc tcggggtagc ctacccagct 300
ctgctctccc tcctacaaac aaattaccac actgccacct ccagatcagc tgcaaacgca 360
aacagagaca agtatatctc cagcgtggcg agaactctcc gagagaacct catctcctca 420
ttccaccaca tcagttcaac aaacaggacc tcaatctcct cgttcgcctc gttcccgtac 480
ccgcgtctct ccacccttct tgtcaaccag atgtaccctc tcctcctgga gctaggcatc 540
cacacgacaa agtacctcca ggagatcgtc cccttgctgt acagtacgct gtcgaaccct 600
ttcggaacag catacccgcc tcttctcctt tccgcggtag ccgtaacacg cgcgacgatt 660
ctgaacgcgc atccgcgcct gtggcgatgg cgcggtgaga tcctcggcgc gctctgctcg 720
tgttggctgc gtgtagccga ggaagaaggc gaaatcgccg agcgggctgc caaggggcgg 780
agtgctgctg aggaccagga gacgaatacc acgctgacca agctgaagag gcagctgcgg 840
ggcgcggtgt acctgttgag gtttgcactg cagaacccag cgcaggcgga cggagatgcc 900
ggccagctgg aagcgaaggc tgctataggg aaggaattgc aggatctagt tgacgctgac 960
gagtctcttg cggacttgct tcttgcggat attgacccta atgatgcgga ctttttcggg 1020
atggatccgt aa 1032

<210> 17470
<211> 294
<212> DNA
<213> A.fumigatus

<400> 17470
cacctgatac ttttgaatga atttgtggca ctgacctgtg ctcgaccaac agtgatccaa 60
gaatatgaca gatttatatc gtatatcatt cagaacaacc tgcaaggcgt gtgtgaaatg 120
aaacctatcg tgaatggggc tgaaatcatg aaagctctag aggcgaagaa tgggccttgg 180
atgagcagag cattggatat ggtgtttaag tggcaacttc tacaccctga aattacagag 240
aaggaaacgg ccctcaaata tttgatagat agaaaggatg agttaggtct gtag 294

<210> 17471
<211> 2688
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (14),(15)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17471
gtcgccttga aaannagcgc agagcctcga tcggcatttt tcgatctcgg cgaagagagc 60
atcaaccgca tgcacaagat ctcattgtat gagacggcaa ctcgattcta tatggtgggc 120
atggatctgt cagacacacg gtttcgcatt ttaaaaatcg accgtacgtc agatacaaat 180
gatttggtta tcgtcgagga cgacattgtg tacacaaaga gtgaaatgag ccagttgctg 240
gatgcgattg acgatgggaa taagatctcc ggcgggttga agctcagatg cagcgcatgg 300
gccttgcttg gctttatccg cttcacgggc gcatattaca tgcttctggt gacgaagagg 360
tcgcaggttg ctatggtggg cggccactat atctacaaga tcgatgggac ggaactcatc 420
tcgttgacaa catcgagctc ctcgaagctg aagcccgaga agaacccgga agaggcacgg 480
tatattacaa tccttaataa tcttgacctg agtcggtcat tctacttcag ctactcatac 540
gacatcacgc gcaccctgca acacaacatt tgccgtgaac gcaagcttca tcaggacggg 600
tactcgaaag gcttccatca agactacaat acgatgttca tatggaacca tcatcttctc 660

agtcccgcaa tcgcagccct gaagaatcct tatcagtggt gtctccctat cattcatggt 720
tatgtggacc aggccaagat cgatgtgtat gggcggctgg catacttgac catcattgcc 780
cgccgatctc gattctttgc cggggctcgc ttcttgaaac gaggtgctaa tgatctggga 840
tacgtcgcca acgatgttga gacggagcag atcgtttctg aaatgtccga aacttcattc 900
catgctcccg gtcctgctct gtacgccaac cctctgtaca catcatacgt ccagcatcgg 960
gggagtatcc ctctttactg gacacaggac aactcaggag tatctcccaa acctgatatc 1020
gagctgaatc ttgtggatcc tttctactca gctgcgggcc tccattttga caatttattc 1080
gagagatacg gtgccccaat ctacgttttg aatctgatca agtccaggga gcggacgccg 1140
cgcgagtcaa agcttctgaa agagtatacc aacgccatca actatttgaa ccaatttctg 1200
cctggagata aaaaaatcat atacaaacca tgggacatga gccgcgctgc taaaagtcgc 1260
gaccaggatg tggtagggac actggaggag atcgcaggcg aaatcatccc gaagactggc 1320
ttcttcaaga atggatatga cgcagattct ggcttgcagc ttcagaatgg gattgctcgg 1380
acgaattgca tcgattgtct tgatcgtaca aatgctgccc agtttgtgat cgcaaaacga 1440
gcccttggtt atcagcttca tgctctcggg ttcattgatg gcaccacttt ggagtacgac 1500
tgcgatgcag tcaatctctt ctctgctatg tggcacgatc acggtgacac aattgccatt 1560
cagtacggcg gttcgcacct ggtcaatacc atggctacat accgcaagat caaccagtgg 1620
accagccatt ctcgagacat ggtggagagt ttcaagagat actacaacaa ttcgttcctt 1680
gatgcgcagc gtcaggaagc ttacaacttg ttccttggta actacatctt tactcaaggt 1740
caaccgatgc tgtgggacct gtccaccgac tactacctgc atcatgccag tcccaaatct 1800
tgggctgaga agaggcgacc caactatatc aactggtaca cccctgagaa tctgaagaag 1860
cgtgaactgc cacctccccc atcgcgcccg aaggagcctc tctcgcgatt tgatgattat 1920
tggctggagt attataggcc gttggctgtc tcgactctcc caaagatctt ctcgttcaaa 1980
atgaagtcaa cgttccacta cgttccgcac cacttcagcc cattcgatgt gcgaattgct 2040
cacgaacaag ccaatcgtga gaggcatccg caacgaagtg tgagaataca ggagccaggg 2100
agtagtgtca ttgagcagtc gaggcgctca cccatgcaca gctcgccacg gaaccccaat 2160
catacacaga acgggttgca acagccggac ttgacacaac cctccgcaaa gtgtactaaa 2220
gactccatat atgaactctc tgtatccagt agcaaaatac cttccatgca gacatccacg 2280
gaatcggcta cacccagcaa agcacagatt gctcaatgga cactcggcca gctagtagcc 2340
gactcgctaa atccgtccgt cactgccgca gaggccgaag aatacgagcg gtacatcaac 2400
cacccgctga acgttcctct cgttgtgaca tcagaagatg aaattaccgc cgcttctgct 2460
cagcatgagt cgaacttgga cctactggaa tacgctaata aatgcaatat tgaagaggcc 2520
atactcgaag ctaatgccga ggagaaccta gcggattatg ccgagtttct taccgtatcg 2580
gaggaaggac ttacagttgt tgcagaggac tatgagaaga aacgctataa gcggtaccgg 2640
cagtggctgc gaggaaagag tcttttcaag caaagggtcg atatataa 2688

<210> 17472
<211> 438
<212> DNA
<213> A.fumigatus

<400> 17472
tcaatagaca agctcaggaa ctgcgtgaga agagacgact tctgtaagcc tgggtttagc 60
cccacataca tcgattaccg cgtctctgac ccatcataca gcctagatcc cagatccgcc 120
ggcccgtcga gtatatggta tcctgatttg aggacactct gcgtcatgtg tcaatggcct 180
tatgcacaga ggtgtagccg atgcctctcc agctggtact gttccaagag atgccaaagc 240
atcgactggc ctttcccaca agctcctctg ctcccgatac cgcaattgcc tggccacccg 300
ccgatcagag gaccacaggc tcggcatctg gtttctcaga gacacaaccc agccaacgct 360
catatgggcc cctatctatt ctccagaatg gggcttccac tgtccctgct tggaccactt 420
ccttggccca aagcatga 438

<210> 17473
<211> 291
<212> DNA
<213> A.fumigatus

<400> 17473

cactcgacgg atgttgatat ccatgggagt gtcttgctcc gtcgattgca tggtgaggac 60
ctggatctgg ccatggcaaa acatatgtgc ttctactgcc ttgaggtgct gaaacctttg 120
tttgagaaag cactctctgg cgagatctct cgccaggacg gtctggatga aattacactg 180
gagaaagcta ctgcgtggaa gccgatcgat gcttatacgg aagttaccgc tgagcaacca 240
agaccacaac gtggatttgt aaggagaatg gggtcctcag gttgggagtg a 291

<210> 17474
<211> 609
<212> DNA
<213> A.fumigatus

<400> 17474
ccgatgcctc tccagctggt actgttccaa gagatgccaa agcatcgact ggcctttccc 60
acaagctcct ctgctcccga taccgcaatt gcctggccac ccgccgatca gaggaccaca 120
ggctcggcat ctggtttctc agagacacaa cccagccaac gctcatatgg gcccctatct 180
attctccaga atggggcttc cactgtccct gcttggacca cttccttggc ccaaagcatg 240
agctcctttt caccatccca ttcgtcgaaa acaaaagaag aaccgtacag ctcgaccact 300
ctcttacaat gtacctgcga ctataatatt gtgattaaca agtccgtcca cgccgccgtg 360
gaagattgtc atggcatgag tacgccttat aatatgcccg gcgagtacgt ggtgatgagc 420
ggccagcaag gatcatacac gggcaccgcc aagcacgaat tcaaggacat aactcttgct 480
gacttccgac atgcgctcgg ctggttcagt acctatttcg acgatacggt cagagagacc 540
tcgagcggtg gctcctccgt gctcgcggtt caggctagca gtcccttcaa gcagaacagc 600
tccggttga 609

<210> 17475
<211> 318
<212> DNA
<213> A.fumigatus

<400> 17475
tcaacacgca gctgctctgc ccaagtccac agtgaatcca acccttgat cttctatgag 60
atctggttcc atctgccgac aaagcgtgcc cctgagctcc cccgcgtcgg actcacggac 120
ctcgtctcct acgatatccg caagacaagt attcgcgcct tacgacgcaa gttccacagt 180
aggaaatgga aggacacgtg ggattcgctc tgtggcgcga tcggtatcca acagatcatg 240
gtcaatctca tcatgaccca agcaaaacat ctggcgtcgg ttattgccga aataaacagc 300
agtgagtggg taaggtag 318

<210> 17476
<211> 393
<212> DNA
<213> A.fumigatus

<400> 17476
aatgacgatt tagggaccga agcctgcatt atcatcaaga agatcgagaa ggaacttatc 60
tccgcccacc ggaatttagg tacatttcct tctcagaata ttgtaatttc ctacatttca 120
gctttttttcc tgatcgtcgg ctttttaatt caaagtgttg gattatctat gatgcattgg 180
ccgactcaat cactgcaact acttgcaata tcggccatgt ttggtctgag gtactggctt 240
cacaagcaga ccattccaga tggtatcaaa ctacaatata accaggatga tgggccaaag 300
aaggaattca acactggaaa ggcggagaaa gaattgatgg ccctgctacc tccagcagct 360
ccagctggag atatagtgag gtggatatca tag 393

<210> 17477
<211> 300
<212> DNA
<213> A.fumigatus

<400> 17477
tttctaggaa agtataggaa tactcagcaa gcatgggatg cagaagctct gaggggttta 60
gttttattag agcatgcctt gtctacaaag gctggcttaa tccctttcta tatgtgcacc 120
tgtaatagca gatattataa agctatgccg tatataatca gacctggaaa gtcatcatgc 180
tgcaggctga accaatcagc tgtggccctt cctagtcatg cagaggggaa cggactaact 240
agtcctattg ctttcaggaa ctcaagcagc cgttgtggag aactcaactc tacagtttaa 300

<210> 17478
<211> 1059
<212> DNA
<213> A.fumigatus

<400> 17478
attgtatgct tggaattccc tgaccctctt ctctgccgaa atgctgtttt gcgcgccggg 60
ctgacacagc gattcagtac ggttaagcca tggcatgtgg ttgtggctta tgagattatc 120
aacttcttct gctacctgtt taactgcttc gggaaatcgc tgcctctggt cgcgaaggcg 180
actctgtaca tctcgctgat ctccttcctg gtgatcttgg tgactgtccc tgcttgtgcc 240
aagactcatc ccagtgcatc atacgtcttt ggccactttg tcaattccac aggatggaag 300
caggatggca ttgcattcat cgttggcctg atcaacccga actggatctt cgcctgcttg 360
gactccgcaa cacacttggc ggaggaggta cctcaacccg agaagaacat cccgattgcg 420
atcatggcca cagtagtgat cggcttcgtc acttcctgga cctattgcat cgccatgttc 480
tttggactca acgacctgaa caaacttttg agcacggcaa ccggagttcc catcctggag 540
ctctactacc aggctctcca gaacaaggct ggcgctattg tccttgagac cctgttgctt 600
gtcacaggca tgggatgtct gattgcctgc catacatggc aatcccgtct tgcctgggca 660
tttgcacgcg accgcggttt gccaggccac aagttgcttg ctcaagtcaa caagactctg 720
gatgtgccac tcatggcaca cactgtgagc tgtttcatcg ttgccgcatt gggtctgcta 780
tatctaggtt cgtctactgc gttcaacagc atggtgacgg catgcatcac attgctgtat 840
ctttcgtact catgtccgat tctctgcctc tggtaccgtg gccgcaataa catcaagcgt 900
gggccattct ggctgggtaa atggggcctc gcggccaaca ttgtcaccat cgcttggact 960
gttttctgcc tggtcatgta ctccttccca gcgaccatgc ccgtcacaac agggagtaag 1020
tgttttctta tgttactcga ccgtaaacac ctttgctaa 1059

<210> 17479
<211> 402
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (39),(193)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17479
gtattgcgtt ttgtatgtcg aattccatgg tttggtatnt cggcgtcctt agtcactggg 60
atcaactctg gcggtacagt cctcatagtg tacggtttgc tgtggatcac tttcatttcc 120
atatgtgttg cgtcgtcgct ctcggagctt gccagtgcca tgccaaacgc tggaggccaa 180
tacttctggg ctnatgaact ggcaccccaa aagtatgctc ggtttgcgtc ctatgtcacg 240
ggctggtttg gctacgcagg ggctattttc gcctgtgcca gtgttgcact gagtcttggg 300
tctgctggtg tcggcatgtg gcagcttggt catcctgaat tgtatgcttg gaattccctg 360
accctcttct ctgccgaaat gctgttttgc gcgccgggct ga 402

<210> 17480
<211> 351
<212> DNA
<213> A.fumigatus

<400> 17480
cgtgaatcgc agcatcttgc cgcaacctct ccgtccgtcg agattctccg cttccttctg 60
ctgcaggggg ggtcagtgca tatccgaaac cgcaacgggc gcacaccgct gttcctcgcc 120
gccaatgccg ggctatcaga gcacgtcctc ttgctgcgca agtcaggcgc gcatctgcat 180
tctgatgagc ggcaagcagc cgaactcctt gcgcggcgca ggcccgccgt ttggggtctg 240
gccggcattg ggccgaggga agttagcgat cgcgagatgg aggaagagaa cgagtcgctc 300
ctgggacgac gagagattcc cagtcggatg gtctctggct ctgctcctta a 351

<210> 17481
<211> 1134
<212> DNA
<213> A.fumigatus

<400> 17481
cgtgagcaat caacatcagg atacattcag acaagttccg agggcgaact tgcatgtaga 60
gttctttgga aactgcggtt attctttgac gcatcaagtg ggttgcctga caatatgacg 120
gccgcagagg caaccattcc cgagctgctc gaggagcaag cggactcagt ccctgagtcc 180
agggtcttga ttattatgac cggagggacg atctgcatga aacagtcacc ctcagggttt 240
gtgccggctc ggggattcca ggaacagtgc ctggcccgcg tgcctacttt caacgatggc 300
tcctcctcca cgatgatgga cgttgtggtc aatgcagcga gagagatcag accgcatccg 360
agtctacgaa cgccgcagac gttgtacggc cgccgggtgc gatacacggt gtttgagttc 420
gaggagctac tggatagcag ctccatcgac gccaagggtt ggaccgagat cgcacggacg 480
atcgagcgga actacacact cttcgatgcc tttgttgtgc tccacggcac cgacagctta 540
gcatatacgt gctccgcgct gagcttcatg ctccagaatc tcggcaagac ggtcgttctt 600
acgggagctc aggctccgat gctagagcta cagaatgacg ctacggataa cctcctgggc 660
tccttggttg tggcgggcca cttcgtgatc ccggaggtgt gtctgtattt caacaacaag 720
ctcttcaggg gcaaccgatc gtgcaaggtg gcggccagtg actttgcggc attcgactcg 780
cccaacttcc cgccgcttgc ggtgacgacg tcgatgcgca ccaatgtcaa ctgggaactt 840
gtgaatcggc caaagaatat cgaacacttt agcatccaga caaatctgga caccacgcac 900
gtcgcgtgtc ttcgcatctt tcctggcatc aaaccggaga tggtggacgc cgtgctgaag 960
ctcgaaggac tccgcggatt agtgctggag acctttggtg cgggaacgc accgcacggc 1020
caagataacg ccatgactaa cgtgcttgcc gacgcgatca agagagggat cgtcatcgtc 1080
aatgtcactc aatgtaagct cttgtgcaga acaatttgct acgaacgatg ctga 1134

<210> 17482
<211> 414
<212> DNA
<213> A.fumigatus

<400> 17482
ccacaaccag gcctgaccgg cagcgtgagc cccgtctatg cgccgggaat gagtctttcc 60
cgcgcaggcg tcgttgcggg tctcgatatg acgacagaag ccgctctgac caagatgtcc 120
taccttctgg ctcttccgga ctccacgccc gagtctgtgg ccaaggccat gtcagtctcg 180
cttcgcggag agttgactga agtgtcgcag ccgatgttcc gccaccctga cggtgcactt 240
ccggagcggg tgcaaacgct caccatgttg ggatatgcga tcgcacaggg agacttcgaa 300
cgcgtgcagg agatcttcaa gatcgagcat cactggatct tgaacgatgc agattactcc 360
ggaaacaccc caatcgtacg caaagcgttc tattcttggg tcttcagaga ataa 414

<210> 17483
<211> 198
<212> DNA
<213> A.fumigatus

<400> 17483
agcagattat gtgcgtcatc gcaggagcgt tcccttagat tgaacactaa gtgcagccag 60
gaaggtttac actccatgaa agacaatgaa aacaatgaag atcgattgaa gaacatgatt 120

agtttgatca accagggcca ctcgaagcat cacaaggtga gccgtcaagg aggacgtaca 180
ggaaggagaa cgatttag 198

<210> 17484
<211> 684
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (28),(147)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17484
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catagccaat tccaatcaca aacgccaaat ggtcgtcgca ccgccgggcg tgcccgttcc 120
aataccgcac attcccacca tgaacgntac gagccgctgc atgaggagct cacaaacggt 180
gttagtcccc gaccgatcat taggtcagac cgtcatgctt catctgttcc cccaactctg 240
cccgcgaggg aagcgtaccc agcagagacg ccttaccagc gacctttttt gaaccgcacc 300
tcaacttttg agggcccttc gcaattgcgg cacctgcagc cgtctggttt gtcttcctgg 360
caatcacgag cggccagtga aaatctggtc tcccgcagag atagctctca gcctcggcct 420
gtcagcatga tgccagataa cccatatact gatgcttacg aagaatccac tgcgcatgtt 480
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atttccagaa gggccagctc ggggaccttg aacggttcgg cattgaacaa gaaaggtcct 600
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<210> 17485
<211> 576
<212> DNA
<213> A.fumigatus

<400> 17485
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gaccccggcc gtggtgctcc tctcgctaag gtccagttcc gtcaccctta caagttcaag 180
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<210> 17486
<211> 186
<212> DNA
<213> A.fumigatus

<400> 17486
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ttttatatat tttttctcga acaacacctg acaagaattc tctctgcagc ctcacggtgg 180
tggtaa 186

<210> 17487

<211> 696
<212> DNA
<213> A.fumigatus

<400> 17487
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aatgagtata ttctttggcc agacgaagta caatag 696

<210> 17488
<211> 453
<212> DNA
<213> A.fumigatus

<400> 17488
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<210> 17489
<211> 297
<212> DNA
<213> A.fumigatus

<400> 17489
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gatgcggagg tagaaaatat cgccgatttg gctgccttcc tcgaagccca gctcaattac 240
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<210> 17490
<211> 195
<212> DNA
<213> A.fumigatus

<400> 17490
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ggtctgtcat cctcgacacc gtcccacaag cggcccacta acgcgtgtac ggttactctg 120
tactccgtag acagatacga ccatggccga tgtctaaagc ctaacaataa ctgtacaaag 180
tcccatgcta actga 195

<210> 17491
<211> 366
<212> DNA
<213> A.fumigatus

<400> 17491
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ttatag 366

<210> 17492
<211> 825
<212> DNA
<213> A.fumigatus

<400> 17492
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<210> 17493
<211> 837
<212> DNA
<213> A.fumigatus

<400> 17493
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<210> 17494
<211> 1116
<212> DNA
<213> A.fumigatus

<400> 17494
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<210> 17495
<211> 879
<212> DNA
<213> A.fumigatus

<400> 17495
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atcgacccag cgaacgcggg cgcgcgcatg cgatccttaa tcgaaaccct catccatgcc 180
cccgatatgg cccgcgcgct gatcgtcctg tcaaccctga ttccctccgg ttccacatcc 240
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gccgggcaga atgtctccat cgtgctggca gatatggatc ccccggcccc gagtcccggg 360
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tactcccaga tggcggacat ctggtacaat gcgatctacg acgccgcgaa agcgggactc 480
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<210> 17496
<211> 192
<212> DNA
<213> A.fumigatus

<400> 17496
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gcagagaaac gtctcgttcg aaagattgac attatgtacg ttcgacatgc aatcagtctg 180
ccacgttact ga 192

<210> 17497
<211> 576
<212> DNA
<213> A.fumigatus

<400> 17497
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ctcagctaca cggccatcat gggcctgcgg acggatctca acctcaaggg atccgagtat 120
agctggtcag gcagcatatt ctactttggc tatctgttct tctcatatcc ggcctcgata 180
ctcatggtca agtttccact gggaaagtat ctggcctgca acttgtttgt cattcttcct 240
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cttgttgcaa tggggatctg gcaaatcaag actggcctgc agccgtggaa ggtatgttcg 540
caccctctcc aagactcaat ccattctgac atgtaa 576

<210> 17498
<211> 279
<212> DNA
<213> A.fumigatus

<400> 17498
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ctcgccaccg aacgtctcaa agccaacaat gccggttaca agcgcaataa gatcgacacc 180
tcccaaatca tcgaagcctt catcgacccc aaaacctggc tgctggccgt catgatccta 240
ggattcaata tccctaacgg gggattcaca acggcatga 279

<210> 17499
<211> 576
<212> DNA
<213> A.fumigatus

<400> 17499
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aaaaaaaaga agaggagaaa ggaaggagaa aagggaccgc gagggataat tgttgagcga 480
gatcgacctt ctcgctggac cgaggccggt tccgtttgtt gtcctgcggt tactcccggc 540
tatccgaatg cagagggtag aatggcccaa agatga 576

<210> 17500
<211> 378
<212> DNA
<213> A.fumigatus

<400> 17500
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tatcaggtaa acccccttgac aggttacacc gcaaccgacc ctgacaaaaa tgacgatcac 120
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tgttgtattc agttatag 378

<210> 17501
<211> 642
<212> DNA
<213> A.fumigatus

<400> 17501
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<210> 17502
<211> 573
<212> DNA
<213> A.fumigatus

<400> 17502
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<210> 17503
<211> 819
<212> DNA
<213> A.fumigatus

<400> 17503
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<210> 17504
<211> 303
<212> DNA
<213> A.fumigatus

<400> 17504
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gaccactgtg ttcaggtatg tcttcagctt gaattcgacc tcggaagctt tgctgatctt 240
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tga 303

<210> 17505
<211> 1062
<212> DNA
<213> A.fumigatus

<400> 17505
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ccttcatttg atcggaacgt ggaatcacaa ggggacttat atccaaaatg gtccaaccga 180
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gtgtcttgtg gtgcgtcgaa agctggtctg catatcaagt gggcatttga taaatccgag 660
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<210> 17506
<211> 348
<212> DNA
<213> A.fumigatus

<400> 17506
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ccatcctccc gcattgtcgc tcgcaactcc ttcacgaagg ccgtcaaccc ttgcgctccc 180
cgagtctcgc aattctcgac aatgactgct cttcagcacg gtgctcccgc tgcgccgaca 240
gagaggaact atgatcccga gatcaaggat atggctgatt atgttcacaa ctatagtgtg 300

aactctgatt tggcggtatg ggtccattat cctctttttt cgttatga 348

<210> 17507
<211> 675
<212> DNA
<213> A.fumigatus

<400> 17507
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gcatccggat tattgacaag cagttcaagg ctatggacaa ctttgcggac cgtgaccact 180
gtgttcaggt atgtcttcag cttgaattcg acctcggaag ctttgctgat cttgatcaag 240
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tccgaggccg ccacctcgcc tttggttgag gacctgcgca agcgcatccg ctgtgtggag 360
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accgttaccc tgaatgacgg caccgtcctc gaggaggtcg ttgtcgaggc tcatctagga 480
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gaggcccact ttgaccaggc ccgtattgac gagtttttca aaattggctt ggaccgctct 600
tctctggaga actacgatgt cgacaagtac gttgacctat atgtcaagga caagatggtc 660
gtcgctgctc aatga 675

<210> 17508
<211> 447
<212> DNA
<213> A.fumigatus

<400> 17508
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tgccttccat tatttttgat cgcctcgggt attcagcacg attgccacca ctacctcttc 180
tcgcttaaga agtataccct cccgactcat cctatgtttc aaagaatcgt atgtccccat 240
tacactgctg agtgtgtgat atacctgtcg ttggctctgt tggctgcacc gaatggcgag 300
atggtgaaca agacactttt gtcatgtttc gcgtttgtaa cggtgaattt gggtgtaacc 360
gccacaatca gcaagcgatg gtacgagcag aagttcgggc cggagtctgt caaggaaaga 420
tggaacatga ttcctggact cttctaa 447

<210> 17509
<211> 222
<212> DNA
<213> A.fumigatus

<400> 17509
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gctgcgtatg agcttgagcc cagtacgact gcgaacccca aatacgtgga ggtgaagacc 180
gggtttgggt accatatcat catggttgaa gggaggaagt ag 222

<210> 17510
<211> 639
<212> DNA
<213> A.fumigatus

<400> 17510
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caaacttggc catctgctct gacgacgtcg aatacactaa ttgcatcgcc attgccctca 120
tggctcgtct cacctatcat caaccctcgt ttggactcac tcgacatttt cgcagacgct 180

cctcacggcg ctccaaacca tgtcctggtg aacgaatact gtcccggcca aggaatcatg 240
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ctaagtgctg agagcatctg caattggaat ctgctgcgtg aaccggatcg ttatgagtgt 540
ggttggtatg agagggagac tcggatcagt ctgacgtatc gggacgtgat caaggtgtca 600
aagttgggaa atacgatgaa attcctaggc ggacggtga 639

<210> 17511
<211> 1479
<212> DNA
<213> A.fumigatus

<400> 17511
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aagagacgga agtatattca acatgagcca aggcgacttg acgttcaagt tgacaacagt 660
gacactgtgg ggaacagtgc actacctgat gacacacaca ttaggaagag aaaccgatcg 720
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cgcccggaag atttgaatgt gggcgacaat gcgggaaata ctcccctcca aattgctgcc 1440
ctccgaaggg tgtgcgccga ttgtgaaatt tcttcttga 1479

<210> 17512
<211> 282
<212> DNA
<213> A.fumigatus

<400> 17512
accatcccag gtagtagtaa atcaactcct cagcaaagaa gctgccagaa aaacaacagt 60
cagcgtatac gagcgccaat cagccaccat ctgcagttgc atcgggcagt ccgaacccca 120
tgtcccatcc catgtaacac gaggctgggc tctgacagcg cattcagtcc aacggtttac 180
ggttacaccg tcatcacaat gctgacgcct cttgcagcta cactcaccaa cccgcttacg 240
cctgatcgta ccacatttct aacaaacaag ctgtataaat aa 282

<210> 17513
<211> 1014
<212> DNA

<213> A.fumigatus

<400> 17513
gatcgctcat ggcttccatc tgtctgtcat ggcgtttgcc tcgcagtagc aggagtcaag 60
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cactggggtt actacaaccg ccaactccca tgcaccaccg acaagggcaa atgcgactat 180
ctcgacacgg tgtatcattc gcatgatctg tccattctct acagtgccat tctctggggt 240
gtaattctcg gtgtgttggt gctctgcgcg ttgagacggc tcatccgcgt ccgtcgcaca 300
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ggcatattcg gccacacaac cggcttcaac atcctcgtcc tgctcatcct aatcgcctac 480
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<210> 17514
<211> 489
<212> DNA
<213> A.fumigatus

<400> 17514
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cacaggaacc agcggtccgc aatctcctcc agcagagtct tgatggcact gcgatgccac 120
gcatccatgt ccttcctcgt gttcaagatc accaacgcct cgggatacgc ctccaccagc 180
tcagccgcga agaacgacgc cgctgtatcc accaccgcat cgcagtgtcc cagcagcgcg 240
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gccagtttcg cccatccctc gatgtacccc gcgttctctt cgaaggagat gtcccacccg 360
tggtatgggg ttagaccaag ctgccgcagc gcgacggcca ggctctctgt ggcggaccgc 420
gggaggccga cgcagatcac ctgcatgggc ttggtgcggg tgcgagccgg tggcttcggg 480
aggttgtaa 489

<210> 17515
<211> 252
<212> DNA
<213> A.fumigatus

<400> 17515
ctgtcccata tgcaagatat acaaagccca gtacctaccc cagacaaacg acccaggcgt 60
ctggtctgta tagcttctcc gtattctaca tctctgatag aaaatcagta tttcgccaac 120
tcggacaatg agcaacctgt accctacact ctccgtcggc aggcagggga ggccatcttc 180
gatatgattc tccccaagaa cagatacgat gaatcagact cagaaggacc aaaggcagta 240
gaactcatat aa 252

<210> 17516
<211> 264
<212> DNA
<213> A.fumigatus

<400> 17516
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accactagct cacccatgac caacagacca accctacgtc ggcccctcat tgttggacgt 120
cacgggagtc aggtttggtt cacacttgaa gtccaccaca cactgttcat ttatttctcc 180
aagaccccca ggagcagcga cagggctgcc gtggtaatcc acgcctttcg tagctctgac 240
accacggggc aggaaatacc gcgt 264

<210> 17517
<211> 600
<212> DNA
<213> A.fumigatus

<400> 17517
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gccggccagg tcactctgac tgctacatcc gacgggctca aaccagcaac gattagcctc 120
aacaccaagc catttgccag taagggcggg ttgagcaccg tcatccccgg gtccgacctt 180
ccttttgttc tctctcgcgg tccgacacca tcgagtgaat catacaccat atctcgcaaa 240
gctgtggagg gtttgaacgt cactgctgga tgtgacacgg agaacatgat caattcctac 300
gatgatgacg aggaaacaga gtggtcctgt gacggggaca aaagcagtac ctggatcaag 360
tactcctggg acagtccagt caatgtgtcg cagatggtga tgaagctgca cagcttccga 420
acgacaaagt atccagtcca gatcagtgtg gacgacaccg tagtctatga aggggtcacc 480
ccgacttctc taggctatgt gacgttagat ctcaatgcta ctgttggcca gagtgtgacg 540
gtggcttcag aggacagcga cctgggaatt atcgaggcgg agatctacac accggcataa 600

<210> 17518
<211> 213
<212> DNA
<213> A.fumigatus

<400> 17518
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actgagagac tgagtcgcgt actagacatt ctagctgccc taaaatttaa tcagttcact 120
gacttggctg tttccctagc tagtataagc ctggtcctgg ggactaaaca tgcggtcctc 180
cttcagctat ctagattata cttaacgtca tga 213

<210> 17519
<211> 210
<212> DNA
<213> A.fumigatus

<400> 17519
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gcagcgagcg gagctggttc gggaaatcgc agtggtaagc aattcggcgc tggacaagac 120
acaaaagtca ctgcatcatg caactgttca agtccttatt ttattaattt catcgatggg 180
ttggagtcac tctattcagt acaatactga 210

<210> 17520
<211> 285
<212> DNA
<213> A.fumigatus

<400> 17520
ggtattgaac tcctgaagac gcaaggattg actcccgtca caccggaaca gggcgagaca 60
gttgccagaa gaatgaatgc ttcttatatc gaatgcagta gcaaggaaat gcgcggtgtt 120
gatgaagttt tcgcattggc agttgatacc gtcgtgtctg ccgaagaaca agactggatg 180
ggcaacagcc agagcaacgg caccagcagc aaatttggag gaggtggcag tggtctcagg 240
agcggcagca agaaggttaa gaagcgtact tgcaagattt tgtaa 285

<210> 17521
<211> 399
<212> DNA
<213> A.fumigatus

<400> 17521
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cctgttacat cagtttacgc tgcctctgaa cctacgggca agaaagatgg cctctccccg 120
tgtgttgtac gctctccggc taccggcctc tactacgatc tgaatgcgat ctcggtaccc 180
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gccaagggcc atgactatca tgccaacttt acactcaata tatgtgcacc cgttgtcgaa 300
gacataaagg atgtggtggg ggtagagcgc gacagatgga agaatgtcag cgcctactac 360
gagaaagaag ggaagatata ctccattggg tacgtttga 399

<210> 17522
<211> 411
<212> DNA
<213> A.fumigatus

<400> 17522
agcgcgacag atggaagaat gtcagcgcct actacgagaa agaagggaag atatactcca 60
ttgggtacgt ttgataagcg tacagtgcga tattccatgt gtcggctgat tgttttgtac 120
agagaacaag ccgcgcaacc attgttccgc ggccgcaagc tcgtgttgaa ttacactaat 180
ggctcacctt gtcctggaga gcagatcgga catagttcgc ggaacaagtc gacaatcatg 240
tcttttctgt gcgaccggga tgccctttcc caccaggccg ttgcgtcttt tgtcggcact 300
atggaccagt gcacatactt ctttgaggtt cgaagcgcag ccgcttgtgg cagcatcggt 360
cacgcccacg gtgacggcct ggggccgggg ggcgttttcg gcgtgatgta a 411

<210> 17523
<211> 297
<212> DNA
<213> A.fumigatus

<400> 17523
gtccatctca cttttccttt gtcggacaga atactaatac tatcgatcct tagtgctctg 60
attgctgtcg ccgcgtatct ggttggtggt tgtgcctatc agcgaacagt catgcaccag 120
agagggtgga gacaatgtcc aaactatagt ctgtgggcgg gcatctttga ttttgtaaaa 180
gtgagtgccc tggctttgat acctttccgg tcatctcgca ttcgatctgg acgtggctcc 240
ctgagtccct ataaggagtt tggtagtccg aggttgccca tttcccgaac cgattga 297

<210> 17524
<211> 1485
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (40),(41),(43)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17524
ggcgggaaca cagggaagtg gtttctcccc ccaggggggn ncnccctctg caacctcgcc 60
atttcccgac gggagggcga gtatacactg cgaaaaagga aatgggaccc gcatcctcta 120
tggtcgcccg agtcgggtta tatgaaattg aaacggcaaa tcgaagactt ctccgccacc 180
ctgcccagtc atttggcatt cacatttgaa aatctacaag tccacgctgc agacaagatc 240
gccaaccaat ttctctatct ccatatcatt attcaccaga acatgttatt cttgaatcaa 300

tttgccattc cgctttcacc tggagggcga cctcccaagg atatgcccaa atcgttcctc 360
agcaacgctg ggcgtgccgc tgtcgaggca gcacaccaca tttctgtttt gatagaccgc 420
gcgtcggcct atcctctcac agtgccgttt gcaggatatt ccgcttactc cgccagtacg 480
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gtcgtcaccc agaatggcaa tcatgtcacc cccatgttcc agtacggcga ctggttcgat 720
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catgccgatg acggggtgat gggccaaaag cccgagcttc aaagcgtgga agacttcttc 840
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gacccttccc ctgccgcttt tgcggctgtt gataccccgg gaatttccac tcctggtgag 1200
gcaggcccac atacaaacca ggacacttct gctgcactct tcaccggcca catggacccc 1260
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agcgaaaatg ccactccaga cttatccgcg tttggcggta ctggcatacc actgggaggg 1440
tatgatctgg gaatgacggg aatgaatcaa aggtcccatc ggtga 1485

<210> 17525
<211> 327
<212> DNA
<213> A.fumigatus

<400> 17525
gtgtatttcc acagtattgg agctttcgga atcatttttg gcctaccctg tctgctctac 60
gcattcacct tcttctgcaa cgatatctcg ggttgtcccg cgccgtcgct tctgcaccca 120
tcgacactgt caattgataa gctggaacaa gaggtcggct ggccggagga tggaatcaag 180
gctctctatg atactcaggt taccatgtgg gttctgagct attacttgct aagtctgctc 240
atgcaggtgt tcctccctgg cacagaagtt gaaggtaccg agctggcgtg tgggggggaga 300
ctcaagtaca aatttaatgg taaatga 327

<210> 17526
<211> 312
<212> DNA
<213> A.fumigatus

<400> 17526
caattcgcag cattcctgtc ggctgtcttg atcctgtcag gatgtgcggt aggcacgtac 60
ttgtacggca cggaattcgc gctatggact ttcctctggg acaactatgt gcaggtgatc 120
actgccaacc tgatcatctg tactgccatc gcgatcttcg tttacctccg aagcttctcg 180
gttcccgctc ctggtcaatt gaaccccgag ctccggcaac tggcgccagg cgggcacaca 240
ggcaacgtcc tgtatgactt cttcgattgg ctcgggagct taacccccgg atctgtctca 300
ccgcggggct ag 312

<210> 17527
<211> 690
<212> DNA
<213> A.fumigatus

<400> 17527
gacgacgata tcatgcgctt ctttgatggt ggacagccgg tgcgcaatca ccacggtcgt 60
ccggccctgc gacgccttct ccagcgccga ctgcaccagc ccctcggatt ttgtgtcaag 120
agcggaagtc gcctcgtcca gcaacaggat tttcgggtct ttgacgatgg ccctggcaat 180

cgcgatgcgc tgcttctggc ccccggagag cgagaaaccc ccgatgttgg tttcgtagcc 240
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tttctgtatc tgctgagggg gttcgtgttc atgcttcgag ccgatgagtc cgacccggat 360
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tccgacaaag gctgtggttt tgccggctgg gatatagacg ctcaggtcgt gcgcgacgat 600
gacctcgggc cgagacgggt agacgtggcg gatattttgc aaaacgatgt ttccacggac 660
atggtccagg gtgatgcccg tgtcgaatga 690

<210> 17528
<211> 432
<212> DNA
<213> A.fumigatus

<400> 17528
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cgatcggggg gcagcgagct ccctgaagac gagatcgccg aaaacttctc agcgatcatg 120
ctggcggggt tccacacgac gcagaacgcc ctctgcgcgg tcatttactt ggtgctgacc 180
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ctgcgcttgt atccgccggt gccgttgggg ggcccgcgtg tttcgcctgg ggcgtatgtg 360
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ctgctaacgt ga 432

<210> 17529
<211> 210
<212> DNA
<213> A.fumigatus

<400> 17529
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atcttcgcgc gcgcatccac ggagccaggg ctcatggtaa ggaactcccc gcaggctctc 120
ccaataacaa cagaactaaa cgtcaacagg ggatatccac cggccccgca gtctgcaaca 180
gcctcaaagc cgccaaaccc ggccaggtag 210

<210> 17530
<211> 336
<212> DNA
<213> A.fumigatus

<400> 17530
agacgggtca tccgcgagtg catcctgcgc ttgcacgaag tcatccgaga caaacttgag 60
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gaggtcctac tgggcaagcc actgggctgc ctgaaacgcg gcaagccata cttctggacc 180
gagcagctgc cgcgcatctt ctactgggca accatccgag accaattcga gggctccggc 240
atcccaaccg caatcaagtg gctgctgcgg cggtttctgc gcaaggggat ccgacttcgc 300
gcggagcaag cccgcatgcg actcatcaac gagtag 336

<210> 17531
<211> 1641
<212> DNA
<213> A.fumigatus

<400> 17531
gtcctctttg gcaacttgac ctccaccttt caagacatcg tcagcggaca aatcgcctac 60

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gagttcgcaa ccatctacct ggccacagtc ggtttcatct acaccggcga ccatatcgtg 180
cagcagatcc gcgtcgagta cctgcgtgcc attctacgac agaacatcgc cttcttcgat 240
acgctgggcg cgggagagat aacgaccagg atcacggccg acacgaacct catccaagac 300
ggcatctccg aaaaggtcgg tctagccttg accggactat caacgttcgt cacggcgttc 360
atcatcgcat acatcaagag ctggaagctg gcactgatct gtagcgccac tctggtcgcc 420
ttgctgctaa tcatgggtgg ctgctccaca gccatgctcg gcttcaacaa gcgcgggctg 480
gcttgccaag gccaaggcgc aagtctagca gaggatattc tcgactcgat ccgaacggtg 540
gtcgcattcg acgcacagga gacgctagcc actaagtatg agaaacacct caaggatgca 600
gagagaccag ggatgcgggc gcagatgatc ttcgcgctga tggttggagc tctgctgtgt 660
gtcatgtatc tcaactacgg gctgggattc tggatgggat cgcggttcct ggtcgacgac 720
gggagccatg tcaaggccgg tgatgtgctg acgatcctga tggcgatcat tctcggatcg 780
tacaacctgg gcaatattgc gcccaacact caggcgctgt ccactgcggt tgcggccgcg 840
accaagctgt atagcacgat cgatcggcaa tctcccctag acgcgtcatt cgacacgggc 900
atcaccctgg accatgtccg tggaaacatc gttttgcaaa atatccgcca cgtctacccg 960
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acagcctttg tcggaccatc gggatccggc aaaagcacca tcatcggact cctcgaacgc 1080
ttctacagcc cggtcgcggg gaatatcctg ctcgacggac atgatatcca gcagttgaat 1140
cttcgctggc tgcgccagca aatggcactt gtttcgcaag aaccacggct cttcgccgcc 1200
acgatcgcgg agaacatccg ggtcggactc atcggctcga agcatgaaca cgaacccccc 1260
cagcagatac agaaacggat cgaggatgca gcccgcatgg caaatgcgca cgacttcatc 1320
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aagcagcgca tcgcgattgc cagggccatc gtcaaagacc cgaaaatcct gttgctggac 1440
gaggcgactt ccgctcttga cacaaaatcc gaggggctgg tgcagtcggc gctggagaag 1500
gcgtcgcagg gccggacgac cgtggtgatt gcgcaccggc tgtccaccat caaagaagcg 1560
catgatatcg tcgtcctaaa caatggatgc attgtcgagc agggctcgca tgaccgtctc 1620
atggacagaa ggggcgtcta a 1641

<210> 17532
<211> 1296
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (673),(745),(758),(818)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17532
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cggagcccga tgcggacgtt tttctttgac ctggactatc cgacagacga tgacgtctcg 120
gagtatgatg ctcaggacga cgcgtctgac attgggctga agacgggaga gcggctgaag 180
cagcggatgt ctcgcctgtc gatatcggcg ctaccggtgc acctgcacaa agccaaagag 240
atgtcccact cactctgcac gctgttcaaa ttcctcgcct cgttcaaccg ccccgaatgg 300
ccgcttctgg cgctggggct ggctgcatcc gtcctcgccg gaggcatcca gccctcgcag 360
gccgtccttt tcgccaaagc cgtcagcacg ctgagtctcc cgccctggga ataccccaag 420
ctccggcacg acgcgagctt ctggtcgctc atgttcctca tgctcgggct tgtcacgttt 480
cttctgtatg ccttccaagg gagcttattc gcctactgcg ccgagaaaat ggtctaccgg 540
gcccgcagcc aggccttccg cgtaatgctc caccaggaca tatccttttt cgacgagccg 600
gagaacacca cgggcgggtt gacggcgacg ctgagcgcag agacaaagcc aactggccgc 660
attcagcggc gtncacgctc ggcaaccctg ctaatggttt cggtgaaacc tgttggcctc 720
gctgggtatc gcaatcgtca tgggntggaa gctcgcgntg gtgtgcattt ccgccgtgcc 780
tgtcttcctg ctctgcggct ttatccgcgt ctggatgntg gacaagttcc agcggcgcgc 840
caaggcagcg taccagcagt cggccagctc cgcctgcgaa gcggcctcgg cgattcgcac 900
ggtcgcttcg ttgacgatgg agggggaggt tttagagtcg tatcaaacgc agctgcagga 960
ccagctcaag cgggatctcc tccccatcgt caaatcgtcg ctcctgtatg ccagctcgca 1020

ggccctgccg ttcttgtgca tggctctggg attctggtac ggtgggacgc ttctcgggca 1080
tggagagtac tccctcttcc agttttacgt ctgcttcagc gaggtgatct tcggcgcgca 1140
ggcggcggga accgtcttct cgcacgcacc agatttggga aaggcgaagc acgccgccgg 1200
ggaattcaag cggctcttca gcggcgagac catgcagtcg aagtgcaggg ctgcggcacg 1260
ccacaaatcc cagccagaga tgcgcgggct gattga 1296

<210> 17533
<211> 324
<212> DNA
<213> A.fumigatus

<400> 17533
acggagatct gcacgtcctt gtttgcgctg catcacaatc cggagtactt cagctctccc 60
tacgagtttc tcccggagcg atggacggag ccaggatcga cagaccggaa agaggcggtc 120
cagccattcc tgatcggaag tcgggcctgt attgccaagt actttgccaa acagatgctc 180
caattgactc tagccggctt cttcttagag tttgaggccg agcatgtggg caaagtcagg 240
gactggcagc ggcaatctcg gtgttacgcc ttttgggacg tgccggacct ccaggtgaaa 300
ctgcgcaaga gattgattga ctga 324

<210> 17534
<211> 972
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (39),(52),(112)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17534
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atttccgccg tgcctgtctt cctgctctgc ggctttatcc gcgtctggat gntggacaag 120
ttccagcggc gcgccaaggc agcgtaccag cagtcggcca gctccgcctg cgaagcggcc 180
tcggcgattc gcacggtcgc ttcgttgacg atggaggggg aggttttaga gtcgtatcaa 240
acgcagctgc aggaccagct caagcgggat ctcctcccca tcgtcaaatc gtcgctcctg 300
tatgccagct cgcaggccct gccgttcttg tgcatggctc tgggattctg gtacggtggg 360
acgcttctcg ggcatggaga gtactccctc ttccagtttt acgtctgctt cagcgaggtg 420
atcttcggcg cgcaggcggc gggaaccgtc ttctcgcacg caccagattt gggaaaggcg 480
aagcacgccg ccggggaatt caagcggctc ttcagcggcg agaccatgca gtcgaagtgc 540
agggctgcgg cacgccacaa atcccagcca gagatgcgcg ggctgattga attccgcgac 600
gtctccttcc ggtacccgag ccggatggac caaccggtgc tacgcagact gaatctaacc 660
gtcaaacccg gccagttcgt cgccctggtc ggcgccagcg gcagcgggaa gagcacgatc 720
atctccctgc tggaaagatt ctacaaccct ctgacggggg gaatctacgt cgacggcagt 780
aatattgctg cctgggacct cacctcgtac cgaagccacc tggcgctggt cagccaggaa 840
ccggcgttat tccaggggac gatccgcgag aatattctcc tggggagtac ccggccgtac 900
acgtcggaag acgagctgat caaggcgtgc aaggacgcaa atatctacga ttttatcatt 960
tctctcccgt ag 972

<210> 17535
<211> 408
<212> DNA
<213> A.fumigatus

<400> 17535
gccaccctct ccccgcacaa aaaatccttt tgtagttctg ggtcgctaat gaggaacaga 60
caaggcttcg aaacgattgt cggcacaaaa gggggcatgc tctccggcgg ccagaaacag 120

cgcatcgcca ttgcgcgcgc cctcatccgt gatccgcgga tcttactgct agatgaggca 180
acctctgcgc tagactcgaa gtcggagaag gtggtccagg ttgcgttaga cgcggcggcc 240
cagggccgga cgacgattcc cgtggcgcat cggttaagtc ccatccagcg ggcagatgtg 300
atctacgtgc tggatcaggg gccggtggtg gagtcaggga cgcatgaggc cctgcttcgc 360
aagcgagggc ggtattttga gttggtcaat ctgcaggatc tggcctga 408

<210> 17536
<211> 600
<212> DNA
<213> A.fumigatus

<400> 17536
ttagcaactc tccccagaca gacgccccag acaaacgccc aaacaaagat gaacctgcgc 60
ctgttgaccc ttgccctcgc cggcctcgct gccgccagcc ccgtggccat cgaggagaga 120
caatgtacgt acatacgctc cgtgtctgca tcgtggtcgt ggtcgtggtc gtgtctaaca 180
gactttagtg tcctccggga acgaactccg caatggagcc tgcaaaccca tcaccttcat 240
cttcgcgcgc gcatccacgg agccagggct catggtaagg aactccccgc aggctctccc 300
aataacaaca gaactaaacg tcaacagggg atatccaccg gccccgcagt ctgcaacagc 360
ctcaaagccg ccaaacccgg ccaggtagcc tgccaaggcg tcggacccgc ctacacagcc 420
gatctggcgt ccaatgctct ccccgagaac acctcccagg cggcgatcaa cgaagcaatg 480
gagctcttca agcaagctgc gtccaaatgc cccgacacgc agattgtcgc gggggggtac 540
agccaaggca cggcggtgat ggacgggtcg atcaagcggc ttccggagga tgtcaaggga 600

<210> 17537
<211> 324
<212> DNA
<213> A.fumigatus

<400> 17537
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aaggccatcg cggctgtggt ttcttctccg tttcaatccc taggaatgtt agacttgtgt 120
tccgaacatg accgccagtt gctgcaaaag tataccgaga gcgtatctga atcatatgaa 180
gtgctgctgc acgctttagc gttgcagcat gcacacctaa ctccagatgc gccggccatc 240
cattcctggg atgataacct gacctatgca cagcgggatg atgcgacatc ccgacttgga 300
cagtcctggc caggatgggc gtag 324

<210> 17538
<211> 855
<212> DNA
<213> A.fumigatus

<400> 17538
gcctgggcac ctttgtcatc agctgttttg agaagtctac atgggccatt gtcgccccga 60
ctggccatct ggagagctgg cgctgcatat atctctgtcg acgcgactga tccgccgatg 120
tacctggaga atgtgattcg ccgcgtgaat gcaagaatca tcctcacctc cgaggcctat 180
cgttccagat acgcttcttt tgtcccgtcc gtcattgccg tgacaccaga catggtacgt 240
gctcttccgg tcagcacggg gatcatttgc ccctgggtca aacccagtga tgtctgtctc 300
gtcctgttca cttcggggag cactggagag ccaaaaggga ttattcaaga gcatcgagcg 360
tatgctacag ccgtccgaga ttacaacaaa ttgctcggct taggccgcca cagccgcgtg 420
ctgcaatttg atgactacgc gttcgatatt agcaataatg actatttgac caccgtcgct 480
gcgggtggat gctgctgtgt tcacaccccg accaagtcgg tcccgactct tgtggagaac 540
atcaacaccc ttcaagtcga cacgaccttt ctgaccccga ctatcgccgc tcaaatatcc 600
ccgcaggatg tgccgacgtt ggagttgctc tgccttggtg gggagccggt gccaaacgag 660
ctcctgatca gattggtcgc cgcatgtgag actggtgaat cagtatggga tgggggaggc 720
ggccaccttg tgcgcgtaca acgaccaact ccaaccgggc cagaatgcga tcgtcggacg 780
ggctgggagc ggagccattt ggatcacaag tccggaatcc ccagagttcc tgatgccggt 840

cggagctgtc ggtga 855

<210> 17539
<211> 207
<212> DNA
<213> A.fumigatus

<400> 17539
gctcttgctg ataagtgtag agggggagga cacttgcagc atttgtggaa ccaacctaat 60
tcagtcgacg atatggaaga tgctcgtcgc aagtatctcc ataataagat attcaaagcc 120
attgtacctc atttcgttga cagcaagtat gaccatggtc cgttcaagtt aattgcgacg 180
atttccggct tggaaatata cttgtga 207

<210> 17540
<211> 408
<212> DNA
<213> A.fumigatus

<400> 17540
tcagattggt cgccgcatgt gagactggtg aatcagtatg ggatggggga ggcggccacc 60
ttgtgcgcgt acaacgacca actccaaccg ggccagaatg cgatcgtcgg acgggctggg 120
agcggagcca tttggatcac aagtccggaa tccccagagt tcctgatgcc ggtcggagct 180
gtcggtgaga ttctcattga aggcccgcac ctggcccggg gatatctgga cagtgtctgc 240
cagaagccgg gcgttggatt cctaccgaat gcgcccacct ggctcaaaga tctccacccg 300
tctcggaccg gcccatcaag gttctatcag ctccggagac ctggggagat acacacatgc 360
cgggactgtg gaacatcttg ggccgcaaag acaccctcct caagataa 408

<210> 17541
<211> 642
<212> DNA
<213> A.fumigatus

<400> 17541
gaactgatcg caatgatcga cgtgtgcatt ccctgtttct ctccagtgta ttcgtatggt 60
ctgaccccgg acttatatgt tgaccgacgc tcgcgacagg ccacggaagg catcaactac 120
cgaaacctac gcttcccttt ccagaatgcc ggcgcacgcg cagccgggat cacccatggc 180
gcagtgcact tcgccgctgc ggcagagagc agcggagccg accaagcaga cttcttcatc 240
gaacacgggg ggaactggac cgcggatgga cagacgctgc ctggggtgct ggagatggag 300
ggcaatcttg cggggaagct gtgccatggg atgacgccga ccgaaatcac cgactggatg 360
cttgatttct ctcaccggta caagttccgg acgggtcgca cgccgatcct gttcctatcg 420
gccggttggt gggcaaagtg cgctgggaac aatgccacgt ttggcgcgga acatgcatta 480
tggttggcca actgggcgga ggaaatgggt ccgctgccgg taggctggca ggctgcgaag 540
ttctggcaat atgccggttg gagtgagaat ggaggagagg cgaatgtgtt tttgggtagt 600
tccaaggact tggtgaagtt ggcaatggga gctgatgaat ga 642

<210> 17542
<211> 186
<212> DNA
<213> A.fumigatus

<400> 17542
ttccccttct gggacctgac tgctgcagtt atctgcttcg attcagctct taacaagtca 60
aagatgggtg caaccgacgt gccacaggcc caagccgtca ctgtgagtct ccaggagctt 120
gtcaatggtg agttgatcaa ctgcaagaat agctgtcgtt tccgcgcagt ggaatcctgg 180
agctga 186

<210> 17543
<211> 936
<212> DNA
<213> A.fumigatus

<400> 17543
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aaagaaaccc tccggtccgg ccacttcgac accctcaaag gctcctacta cgtcaactgt 120
gccttctacc agaaccccga cctccaaggc gcccccgcgg acaacttcca cgatttgtcc 180
gaatacacag cccccaatat ctggccgcca gcagaccgtc ttccgacttt ccgccgcagc 240
ctcgaggagc tctgcacact catcatcgac accgccgcgc tcgtcgcccg cgcctgcgac 300
cgctacgccc tcgccaacat cgacggctac aaggaaggat acctcgagca cgtggtgaaa 360
accagcctga ccactaaggc ccggctgctg cattacttcc cgaccgaccc taccgcggct 420
gctaacgccg aggcagaaga tgatgatgac tggtgcgcga cacacctcga ccacggttgt 480
ctcactggtc tgacatccgc catgttcgtc gatgaggcgg ccaatccccc ttcgttgacc 540
gatgcctcga cgccgctggc ggaactgccc caatcgccgg accccaaggc gggcctgtac 600
atccagtcgc gcacaggcca ggtcgtcaaa gtgaatatcc ccaatgactg cctggctttc 660
cagactgggg aggcgctgca gctcatcacg cggggcaagt tccgtgctgt gccgcatttc 720
gtgaaggggg cgaggccgtc gggtagagcg aggatcgctc gcaatacgtt ggcggtgttt 780
acgcagccga atctggaaga ggaggtggag cttgggaaga ccttttgcgg agttttgcca 840
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gttttgaccg gtggaaaagg gtacataagg gaatag 936

<210> 17544
<211> 1782
<212> DNA
<213> A.fumigatus

<400> 17544
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actcctggtt ccgctagacc ttcaagaccg ccaggcagac cacctggccg accttctgga 120
aggccgctcg gtcggctcgg gcggccgccc ggtagaccac cgttgaaccc tattgttgac 180
cgggaaggga cgccagacgt tttcaagatg gccatagtga aactcaagga caggggtgaa 240
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ggggagtatc tgcaaaaact aagaatgcaa ccttcctatg ttcctcgcgc tggtgaaatt 360
gtcctctggg ttcctaattt cgagggcgag ttggcctgga acccagaaca cgcacgcgtc 420
gagatgtacg acccgaccgt cgatcggttc ataggcgttc ctgagtggcg agcaggcatc 480
gtcggccagg tcccagagga agacacggtg ctgcaggata tagtcgagac ggctaataag 540
gaatgggaag tgaattattc tggattccgt gttgaaacgt tccccgatcc caacagcgcg 600
gacaagagct actcactgca gtacaagtac gttcacctga aatgcatcaa gccattcaat 660
gggtacgagc tctttttgca gaatatgccc cgggacgaac tgcacccttc aatcgagtac 720
gccatgaccg tcatgtcatc attcagccta cttgaaaaat tccattttcg aggaaggtgg 780
ccgaatgcgt ccatctactg tatgggcata ttcattgggg cggaactcct cattgtagga 840
gatgccgtcc gcttgaaacc ggtgggctat tcgctcagta gcggccaaaa agcagttacg 900
gacgtcatgg tgatcgacga gatccggctc gatctgatcc aatgcgttga tgacatcaaa 960
tcagaccagc tcgcagagag atatcaggtg cgccttggag gcaaagtcta cacgaacaac 1020
cgccagcgag cggtgataga caactcgatg caaccgccca aacccctatc tcccgaagaa 1080
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ggcgacttcc gaacgcagac cctggcggtc gagacgctga acggcgaaga cgtcggccat 1380
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gccactgcag ctgatctcag agaggccaag attcccggcg agctcggacg accgagccac 1500
aagtcacgat cggcgtttgc ggaggtgcgc aagacgagca agctggtgag cactggtcta 1560
ggggcggtta tcacggatgt gagcaacaat tccagctcgg cggacgagag caatgcccag 1620

actcggatga acactgaaga cgaaggggag gaagaatcgc ccgaggatga ggaggatttt 1680
acgttgcgtt tggaggacct acgaggaggg actgaggaga cagaaggtgg agactacgtg 1740
cctgggaacg atgggcatac ggcaaagcgg ccaaaaacat ga 1782

<210> 17545
<211> 258
<212> DNA
<213> A.fumigatus

<400> 17545
attatttcct tgggcctatc tataattcca tcggcagtca tgtcagtttc tcaacactcg 60
caaacctcag aagaggatgc agaaacaatc actattccta ttgatcggtc gtttagtgat 120
ggcgatccgt ctacttggcc tacagagccc cggttcggga tgccggatga tacatggtat 180
cgggagaagc tggccatcat gtggctgaag gagacggggg cttatgaaga gggtacgtta 240
ctgacttcga acttttga 258

<210> 17546
<211> 1869
<212> DNA
<213> A.fumigatus

<400> 17546
caatatgagg gaaaactctg tagcgaccta cttgtacgac atgagcgctt agttcatcct 60
gccgaggctg cggccaatcg agaacatcga aaccacaata atcatgaggt gtcttcaact 120
ccgtcttcta tgatacagac gacccatcat gagtcgcgaa tgctcgagct tgcagatgca 180
ataccagtcc agccacaacc gattccgccg cctccgcctg aggtccatgt ccaaccagca 240
ccgataatag agacaacgca tttcaatccc tcatggggat acgatctgaa tctcttgtct 300
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ccttcgcata ccgtcggccc tcctcagcca atccctcatg tcaccgacag gcctatcacc 420
gaaaactatg ggcttgaacc gtcaatgctt gatctcactg acttaggtga tccggtccaa 480
gacttcactg tctttttaga aagcgttggt ctctcatccg actgggactc gggagtgttt 540
tccactgtcg aggaacccat gctgccaact actctctcaa ttgactctaa gccacctctt 600
cgtgaaacgt ccagactcgg gacagaaatt atgaatgacc cgcgctcggc tgacgatcct 660
ccatcattct caaactttgg atcgcgtttg ccttcgctgc aacccgagtc ccacgaagtg 720
gacgatcgac tcggtttcgg cgacgacggc ccacgtccag catgggatat ctcaaacgct 780
gatcgccagg tcttcgtttc caaacttgag gagtttgctt atattcttcc gaagggcttc 840
gtgcctccat caagacacgc tctgtctcgt ttctttgctg gctatatcaa cggactgaat 900
gagcatcttc cctttattca tgtcccaacg ctttctgttg caaatgcttt tcccgagctg 960
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caccctgtcg atccttcaat ttatgtatca gatgattcgg atgctcacat ggaagtgatt 1260
cgcacgttct tgcttctcac cgtttttgcg tcttgggaga gacacccgga actcctccgg 1320
gaaattttat cgttacaaag tacgttggca aggcttgttc gagagcatgg cctctccgaa 1380
ccagcgacca gtcctgaccc aaataattgg gaggagtgga tacggcgaga gggcaacagg 1440
cgcacaaagc tcatcgtcta ctgctttttc aatctacact ctatcatgta caacattccc 1500
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gcgagcaatg cgactcagtg gagacggctc agtcgcacct ggccaggggt ggatgttccc 1620
ttccaggagg cattcgcaaa actgttccta aagtcgagca tctcgaactc ttcggcacca 1680
atttcgccac tcggaaacta tatccttata cacgctatta tccagcagat atttttgcg 1740
cgccaacttt gtctatctgc acccactatg caaggtacaa gtctcagacc agatgacttg 1800
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cagcattga 1869

<210> 17547

<211> 501
<212> DNA
<213> A.fumigatus

<400> 17547
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agcccgcgtc tcattatggc cttattgcat tctgcccatg cactgtccat tcctgtacgt 120
ctcggaatcg actttgtggc gagaacccat tcgtttttct ggagtattca gcattccctt 180
tgcagtttgg aatgcgcttt tctcctgagc cgatggcttc tctcaatccc agctacgcac 240
tcggagcaga ggttgtcaga ccatgaaagg aaactacttc tgtggatcaa gagcatgatg 300
gacgagactg acatggccgt tgacccacca ggggcgcctg atatggaatt tatggccaac 360
ccttacaagg ccaaacaact aagcgtcgct atcgtccggg tctgggcaag aaccttcaaa 420
ggaaacacga gttgggcgat agttgatttg gttgggtcga gcttggatgc ttatgcagat 480
gtcttagaaa atcagctttg a 501

<210> 17548
<211> 465
<212> DNA
<213> A.fumigatus

<400> 17548
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ctggtggccg accggctggg ctccctcaaa accctcatcc ccatgggcct gatcgcggcg 120
atcctcgcgt acgcctggat ggggatcaag aacattgcgg ggacgatcgt gtttgcgtgt 180
ctgtatggat ttgcctctgg cgcaatcgtc tcgttgccgc caacggtcgt ggcccggttg 240
agtccgaata tgagtattgt gggcacgcgg atgggtatgt gctttacgtt tgccgggttg 300
gggctgttga ttggcaatcc gattgctggg gcgctgttgg atctggagag gggggtgttt 360
tggaaggccg agctgttcag tgcggttatg gttaccgccg gagctgtgtc gtttatctgg 420
ttgaggctgt tgaagtggag ggatggagag aaggggaagt attaa 465

<210> 17549
<211> 1302
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (142)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17549
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cgcccgtata caacactgga cnactgcaag caccatcagc gacttccgtt ctcacaacca 180
atcaatttaa gtcagagctc gcttatttat ttccattaca tcatggctga atctctcatc 240
tttgcgtacg gatcaacgga acctgtcaaa gacatccgtc ttcattcaac ccctgcacct 300
gcggactgcg gtcctcacga agtggtggtt gacttccttg cggcacccat caatcctctc 360
gactttctgg tgttgcacgg aaaatacccc gtcaaaccgc agaaccacat caccgtcgcg 420
gacggtgagc atcgacccat tccgggctca gacggcgcgg cccgtattgt ccgcacggga 480
tccgcggtga cccagttcca cgtcgggaac tccgtcatcc tgcggaccca ctgccgaggc 540
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gatcctcgcc tcgcgtgcat cctgcgcatg ggtgtggcac cggcctactt cctgctgcgg 660
gattattcga ctctcgagcc cggcgactgg atcatccaga acgcggcgac aggcacggtc 720
agtcatttcg tgactcaatt ggcgcgcctg cagggtgtca atgtcatcag cgtgattcgc 780
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gaagtgggcg agcgcaagaa aattttggtg tttgagcact ag 1302

<210> 17550
<211> 402
<212> DNA
<213> A.fumigatus

<400> 17550
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cttttcctgg ttggagtcat tgccggtcca gttttcgaca aggggtacct caagaccatg 180
atcgcggcgg gctcattcct ggtcgttttc ggtctgatga tgacttccct gtcggaccag 240
tactaccaag tctttctggc tcatggagtc gttgttggca ttggctgtgc gtttttgttc 300
ctaccgagca ttgccatcgt ggctacctac tttaccacac ggcgggccgt ggcgacgggc 360
atcaccgctt ctggaggaag cattggtatg tctcgtcgtt ag 402

<210> 17551
<211> 825
<212> DNA
<213> A.fumigatus

<400> 17551
gtcactaaat ccactgcaag catactaacc aggccaggct ccgtgatata ccccatcatc 60
ttccgcaagc tcatcgactc cgtcggcttc ggctggacca cccgtatcat cggcttcatc 120
gccctaggcg gactgtgcgt ctccctcgcc gtgatgcgca tgcgccttcc accacccaag 180
caagccagat cgctccttga cctgtccgcc ttcaaagaag cctcctttct tatcttcagt 240
ttcggtctgt tctgcgcctt cgtcggcctc tacttcccgt tcttctacct gcccacctac 300
aagtccaaca tcgtccactc aaccgacgac ctagccttct acatcaatcg catcctcaat 360
gccacgtccg tctttggtcg gattaacccc cggcctggtg gccgaccggc tgggctccct 420
caaaaccctc atccccatgg gcctgatcgc ggcgatcctc gcgtacgcct ggatggggat 480
caagaacatt gcggggacga tcgtgtttgc gtgtctgtat ggatttgcct ctggcgcaat 540
cgtctcgttg ccgccaacgg tcgtggcccg gttgagtccg aatatgagta ttgtgggcac 600
gcggatgggt atgtgcttta cgtttgccgg gttggggctg ttgattggca atccgattgc 660
tggggcgctg ttggatctgg agaggggggt gttttggaag gccgagctgt tcagtgcggt 720
tatggttacc gccggagctg tgtcgtttat ctggttgagg ctgttgaagt ggagggatgg 780
agagaagggg aagtattaat ctgttcagca tggtcgagtg agtga 825

<210> 17552
<211> 1185
<212> DNA
<213> A.fumigatus

<400> 17552
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agctgtccta ttggtgtctt gctgattata tttgaggccc gtcccgaggt gatcgccaat 180
atcgcggcac tgtccataaa atcaggaaac gctgccattc tgaaaggtac tttttgcatg 240
atcgatagtg aaatccacac tactgacatg agtgaaggag gaaaggagtc gactgagtcc 300
ttcatcgcca tatcaaaagt gatatctgaa gcgatctcgg gaacacgcgt acccgtggca 360
tcagtccagc tcgttaaaac ccgagacgtt gtttcgtcac ttctagcgca ggattccttg 420

attgacctgg tcataccccg tggttccaac gaccttgtcc gatttgtcaa ggagaacacc 480
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gacccagcaa ttgctgtcaa agtcatcgtt gatgctaaaa cagattatcc agctgcttgc 600
aattcgttgg agtctttgtt ggtccatgaa gatgcccttg gaaccatatt ccccgctgtc 660
gctgaggccc ttctggccaa gggagtccgt cttcgttgcg acatccaatc gaaatctgct 720
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<210> 17553
<211> 270
<212> DNA
<213> A.fumigatus

<400> 17553
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atccaagaaa ctaacaaata cagagataac agtccgaaaa gtagcaagga agatctcatt 120
ccttgcgacg ctgttgatat catggcatcc tttatccatc cccggggtta caccctgagg 180
cagacattgg gattctccgg tcaatcttgg acatccttca ggtattcctc tgtgcctatt 240
aatgcttgca gtgaacatta tctttcttga 270

<210> 17554
<211> 195
<212> DNA
<213> A.fumigatus

<400> 17554
atccacccaa ttgcgtgtcg ttttatgtca agttgtgtga aaaacaaggc cacgtgtgtg 60
tacatcaatt ggccgaatat acatcatact aatcagtcta tcagtgggga gagtgaccct 120
aaggacgcta ctggacgatg gtctcatcct ggagagagtg agctgtccta ttggtgtctt 180
gctgattata tttga 195

<210> 17555
<211> 219
<212> DNA
<213> A.fumigatus

<400> 17555
agacgaacgc gactctctat tcagtcagca tctttcgctg ctctcggtca tggaggtacc 60
gccaaaaaac tgcctggaat gtttacaact atggttttga tttataagaa tgagggtggt 120
tttgttgccc tctatcgcgg tattgtcccc acagtcgctg gcgttgctcc atatgtaagt 180
gaaatccgaa tgatgataaa caggtgctta cgagtttag 219

<210> 17556
<211> 237
<212> DNA
<213> A.fumigatus

<400> 17556
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tatcagtata aatcaatttg ggacgctgtg agggttatca tcgcggagga aggcctgcgg 120

gggtttttca gaggaatagt gcctaacctt ctgaaagttg ctccgagtat ggctagcagt 180
tggctcagct ttgagttgac aagggacttc cttgttggat ttagcgatga gaaataa 237

<210> 17557
<211> 420
<212> DNA
<213> A.fumigatus

<400> 17557
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cgccttttta tgtcgagaat caaccgccct cccgtctccc tttcgcgact cgtttccaat 120
gttaccgatg ctcccaaggg caagaccatc gttgtgatcg gaactattac tgatgacaat 180
cgccttctca ctgttcccaa actctctgtt gccgcgttgc ggttcaccgc tactgcgaga 240
gccagaattg agaaggctgg gggtgagact ctgactttgg atcagctcgc acttcgggca 300
cctactggag cgaacactct cctcctccgt ggccctaaga acgctcgtga agctgtcaag 360
cacttcggat ttggacccca cagccacaag gtgagacaat acctcactat cttgtgttaa 420

<210> 17558
<211> 597
<212> DNA
<213> A.fumigatus

<400> 17558
tctgttttag catcaacgat gactttgaca gcaattgctg ggtctgcatc agcatggagg 60
tatgcagaac aaagaccatc agcgtggccg agaaccggaa tcttggtgtt ctccttgaca 120
aatcggacaa ggtcgttgga accacggggt atgaccaggt caatcaagga atcctgcgct 180
agaagtgacg aaacaacgtc tcgggtttta acgagctgga ctgatgccac gggtacgcgt 240
gttcccgaga tcgcttcaga tatcactttt gatatggcga tgaaggactc agtcgactcc 300
tttcctcctt cactcatgtc agtagtgtgg atttcactat cgatcatgca aaaagtacct 360
ttcagaatgg cagcgtttcc tgattttatg gacagtgccg cgatattggc gatcacctcg 420
ggacgggcct caaatataat cagcaagaca ccaataggac agctcactct ctccaggatg 480
agaccatcgt ccagtagcgt ccttagggtc actctcccca ctgatagact gattagtatg 540
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<210> 17559
<211> 681
<212> DNA
<213> A.fumigatus

<400> 17559
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gttcagccgt acacatatgg ttatctcaac gacgaagtta ttctcctctt gcatactctc 120
ggcgtttccg ctgaggtatt cctcagaaaa caaaaggaac acttccagcg tttacaggag 180
tctgttacag aacccactgt tgcattcacg tttctatgct ccctgaaccg gtttgacctt 240
gccgagaagc tagttctgca cggtattgag cgggtgtctg gcgccttacg cagtctggtt 300
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ccggaatccc gcctagtctt cggcgtctgt gacccccgag gtgttctaca ggaaggagag 420
tgcttcttac gtgtgacaga tgacatgaac gggggacgtc ctcgaacgat cgttggatgc 480
gaggttgttg tgactcgaaa tccttgtctt catccggggg atttgcggaa gctcaaggct 540
gttgaccggc cagaactatc ccatttgagg gactgcattg tcttcgccgt caagggagaa 600
aggccagccg cagatcaaat gtcgggcgga gacctggatg gtgatacttg taaatcaccg 660
cctacacctt gccaacggta g 681

<210> 17560
<211> 249
<212> DNA

<213> A.fumigatus

<400> 17560
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accgcaaacc ttcttctgcg ctccagcaag gcttctttgc tgcgtcctcg cgccctcaac 120
cctgtccaac atgtgtttgg caacaacaaa ctagctgctc gtgggctggc tactaccttc 180
gagcgtacta agcctcatgt taacattggt aaataccatt ttcatttgca gactggcctc 240
ttccactga 249

<210> 17561
<211> 267
<212> DNA
<213> A.fumigatus

<400> 17561
accaccttga ccgccgctat caccaaacat cagtcggaga agggccttgc caacttcctt 60
gaatacggtg ccattgacaa ggctcctgag gagcgcaagc gaggtatcac catctccact 120
gctcacatcg agttctcgac ggactcccga cactacgccc acgtcgactg ccccggtcac 180
gccgattaca tcaagaacat gattactggt gctgctaaca tggacggcgc tattgtcgtt 240
gttgctgcct ccgacggtca gatgtag 267

<210> 17562
<211> 489
<212> DNA
<213> A.fumigatus

<400> 17562
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gctggtttca actatcatct catttccgtc tttggctcgc agtcaactgg caagtctacg 120
ttgctgaacc atctcttcgg cacgcacttc tcggtcatgt ccgattcgga gagacgccag 180
acaaccaagg gtatatggat gtcgaagaac aagagagaag gagaggccac agtggaccca 240
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gtgcttattg tgaatatatg ggaacaccag gtcggtctgt atcagggcgc aaatatgggt 420
ctgttgaaga cagtctttga ggtcaatctg caactgttcc tgaaggacaa gaagtatgtg 480
ttttactaa 489

<210> 17563
<211> 315
<212> DNA
<213> A.fumigatus

<400> 17563
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gccgtggggg cctatgtcac ttatcagcta aacctctggg ggccgataat caagatgact 120
gaagccgctt ccagccaggc gctggtggag ggcaagaagc gactgcgcga gtttcttgag 180
tcttcggata ccgggcggca ggccattgcc atgtcggctg ggtcgggacg ctctggcgag 240
caatacgagc tgtccgatct aagtaagaag ggcaaggcaa gaacgtcggc cgatgaagac 300
atggatgacc tttga 315

<210> 17564
<211> 960
<212> DNA
<213> A.fumigatus

<400> 17564

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cgccaggttg gtgtccagaa gatcgttgtc ttcgtcaaca aaatcgatgc tattgatgat 120
ccggagatgc tggaactggt cgaactcgag atgcgtgagc tgctgaacag ctacggtttc 180
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gaggttgaga ttgttggagg ctccttcgaa cccaagaaga ccaaagtcac cgacattgaa 480
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<210> 17565
<211> 1818
<212> DNA
<213> A.fumigatus

<400> 17565
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cccctcaaaa atctgcagaa gacattgatg gaggacatgg ctcgtctctg ggagtctatt 120
tcgaagcccc ctggccttga aagctccagt gttcatgatt atttcgattt ccaattctat 180
ggactgcctc acaaaagcta ccaacccgaa caatttgtgg ctgagacaaa gaagcttagc 240
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caggagctac ttgcacaatt ccgctgcgat gagatcttga gagaagtgat gatagctttt 480
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caagaattgg ccttgtatga aaaggaacta gcggacgtta gcggaagatt acgccgagaa 960
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<210> 17566

<211> 813
<212> DNA
<213> A.fumigatus

<400> 17566
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aacgatcttc tggacaccaa cctggcgggc gagcagcaaa tgctcacgag tctggggcct 720
attcgcgaaa acgtaagcga cgtgttttta cgacgtattt cccaagatgt tccacctaca 780
tctgaccgtc ggaggcagca acaacgacaa tag 813

<210> 17567
<211> 582
<212> DNA
<213> A.fumigatus

<400> 17567
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aacgatgtcg gcaactcgaa atacgtccct cgagcggtcc tcgtcgactt ggaaccggga 120
accatggacg cgattcgctc cggcccccac ggagcccttt tccgacctga taattttgtg 180
ttcgggcagt ccagcgccgg caacaattgg gcaaagggtc attacacgga aggcgccgag 240
ctggtggatc aggtcattga cgttgttcgc cgtgaggcgg agagctgtga ctatctgcaa 300
ggattccaga tcacccattc tctgggcggc ggaacgggcg cgggcatggg cacgcttctc 360
atctccaaga tccgggagga gttccccgat cggatgatgg ccacattctc ggtcctgcca 420
tcccccaagg tctcggatac cgtggtggag ccgtacaatg cgacgctgtc ggtccaccag 480
ttggtcgagc acgcagatga gacctttgc atcgacaacg aggtatccgt cctgatcctt 540
ccaagtcgaa atgacaagct aaccagccca ggcgctctat ga 582

<210> 17568
<211> 348
<212> DNA
<213> A.fumigatus

<400> 17568
ccagcccagg cgctctatga tatctgtacg cggacgctga agctgtcgtc cccgtcgtac 60
ggcgatctca accatctcgt ttcgacggtc atgttcggca tcacagccag ctttcggttc 120
cccggacagc tgaattccga cctgcggaag ctggcggtta atatggttcc ctttcgccgg 180
ctgcatttct tcatggtggg cttcgcgcca ttgaccagta gaggagccca gtccttccgc 240
gcaatgagtg tcccggaact cacgcagcag atgtttgatt ccaggaatat gatgacggcg 300
tgcaactttc aaaacggccg ctttctgacc tgctcggctc ttttgtaa 348

<210> 17569
<211> 489
<212> DNA
<213> A.fumigatus

<400> 17569

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gatgatcaaa tgctcagtat ccataccaag aactccggct actttgtgga gtggatccca 180
aataatgttc agaccgccct ctgctcggtg cctcccaagg gcctgaaaat gtcggccact 240
tttgtaggca attccacatc cgtccaggag ctcttccagc gcgtggcgac ccagttcacg 300
gccatgttcc gccgcaaagc cttcttgcac tggtataccg gcgagggaat ggacgagatg 360
gaattcaccg aggcggaaag taacatgaat gatttgatgt ccgaatatca acaataccag 420
gaggccagta tctccgacgg agaggagcaa ccgtatgccg aggaggcggc atatgaggcc 480
gaggaataa 489

<210> 17570
<211> 1914
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1164)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17570
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ctcgacgcgg accgagaagc aatcatctcc tgtttccgct gcacacaggg agcagacggg 120
ggttggagta ccgctcccga ccaggcgggg gatatctcgg tgaccgtaga ggcgtatctg 180
gctttgaaga tcctgggact ctcggaggat gacgcggcaa tgcgccgtgc acgagacttt 240
gcaattgccg ctggtggtgt tgctaaggtc cgcatcttta cccgcatata cctcgccctg 300
ttcggcttat ttccttgggc tgctgtaccg gaattaccgc ctgagttgat tctgctgcct 360
tcaagggtac cagtcagtat ctatcactgg tcagcttggg cgcgggctac tgtagtgccc 420
cttctgatca tctcccacca tcgcccgatc tatgctcttc caggtggcgg caagagaacc 480
tctagcgatt acttggacga gctgtggtgc gacccgcaaa ataaaatgat accatacaat 540
cacgacgaac cgacggcctg gagatccgac ccgtttgcgt cgatcttcac cttggctgac 600
tcgatcctgc accgcttgga cggtttgcga tccttcaatc cctttcgccg ctttgctctt 660
cagaagtgcg tcgactggat tctggagcac caggaggaca tgggagacat cggagacatt 720
atgccgccgc tgcacggagc tatgcttgcc ctgagactgg aaggctatcc gctgcattca 780
ggccctatcc accgcgggct tgaggccatt gaacgcttcg cataccgtga caaacaggga 840
aaacgaatcc aaacaactgt gtccgcgttc tgggacacca gcttaatgct gattgccctc 900
ggcgacgcag gcatggcctc taagccctgg ctcacaaggt cgttgggctg gctacagcaa 960
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gttctggcaa tgattcggca agacgagcgg ctggttcact ccgcctccgt tttggatgcg 1140
ctgaattggc ttctgggaat gcanaatacg gacgggggct ggggtgcctt tgaccgggat 1200
aatgataagc attttctgaa caagattccg ttcagtgaca tggacgcatt gtgcgatccc 1260
tccactccgg atgtgaccgg ccacgtcctg gaggcttttg gccttttttct tgcactcagt 1320
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tcagacacac atgtattatc tcggggctgg tactggcgat ggggctgcaa ctacatttac 1440
ggaacaagtg cggtcctctg cgcattggcg tactttggct cggagaacga cgcgttgtca 1500
ggagtcaggg ttatgaagga tgcaatcaat caagcaatac gatggctgga gactgttcag 1560
aaccccgacg gtggctgggg agagaccgtc gattcttata aagatccttc gcgagctggg 1620
tctggtccat caacggcatc ccagactgcc tgggcgatca tggcacttct gccatacttg 1680
ccaccgtcca cagaggtgat tcaacgggga atggagtatc ttttgcggac gcagacgaag 1740
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tatttctaca tgggatattc actctacgcc cattactttc ccatgatggc cctcggccgg 1860
tatgcttatc catgtcccgc gtggcacgag aattggcggc tgaagagaga ctga 1914

<210> 17571
<211> 657

<212> DNA
<213> A.fumigatus

<400> 17571
tcatcgactt ctttcatgga gatcttgccg cggctgaaac tgatcagttt ttctgggacg 60
ccgcggagaa aaggaaccaa aaaaaaaaaa aaaaaaaaaa aaaacttaca aaagagccga 120
gcaggtcaga aagcggccgt tttgaaagtt gcacgccgtc atcatattcc tggaatcaaa 180
catctgctgc gtgagttccg ggacactcat tgcgcggaag gactgggctc ctctactggt 240
caatggcgcg aagcccacca tgaagaaatg cagccggcga aagggaacca tattaaccgc 300
cagcttccgc aggtcggaat tcagctgtcc ggggaaccga aagctggctg tgatgccgaa 360
catgaccgtc gaaacgagat ggttgagatc gccgtacgac ggggacgaca gcttcagcgt 420
ccgcgtacag atatcataga gcgcctgggc tggttagctt gtcatttcga cttggaagga 480
tcaggacgga tacctcgttg tcgatgcaaa aggtctcatc tgcgtgctcg accaactggt 540
ggaccgacag cgtcgcattg tacggctcca ccacggtatc cgagaccttg ggggatggca 600
ggaccgagaa tgtggccatc atccgatcgg ggaactcctc ccggatcttg gagatga 657

<210> 17572
<211> 900
<212> DNA
<213> A.fumigatus

<400> 17572
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gctgtacaac aaacgccgag gcctgcgact ccggtaagta cagcaccgtt ccgtgaccat 120
ccacgcttca aggtgtttca gccagcattg agcagtcagt cacaattcac cccaagaccg 180
acggcaggat ctgcgtcgca attaccgacc cctggccctc aaagacagaa gccagtcttt 240
gtccttcctc gctctccgtc tccatcacga atggatgatg aatcaatgat tccaacacca 300
ttctcccctt cctctcatgc tcttcgtcgg cgaggccgtc cccgatccag cactgcagac 360
tacttacccg gcggcatggc ctcggacgtc cgcagctgga tcctggaaat ggggaccaaa 420
agcgaacaga tgcagaagag cctagatgct cattctagca cgcaccacgc ccaaggtccc 480
cctgatctaa gccagtatta ccttgttctt cgcatcctgg acgttcggca gtctgcactg 540
ggcagctctg gtccagtagc gtatatacac ggcgtagaag tgactctccc cgatgagtca 600
gaaagtgcga cctcgcagtc aaggagagtt ctccttcttg gaccgcctag gccagctagc 660
ttgcagtcct cccgtgcaag agctcaagtt cctgagcttc gcactggtca tctggtcgga 720
gtgtttcgga atctggtctg ggaggttggc ttggaccaga cgcatttaga tggcaatgtg 780
ccgagtgaag acacgcagaa gaaagaagag ccggcgagca gccttgggcg caatacaagt 840
actgagcatc tggagaaatg gctcgtcggg gtggaatggg aactgatcga ccagggttga 900

<210> 17573
<211> 414
<212> DNA
<213> A.fumigatus

<400> 17573
accgcagctg atccattcca gttcttctct tccctctccg acctcctctc caaaacatcc 60
caaaaagccc gcggctcagt cttcctcacc caaaagcccc tcctcccaaa caacgccaac 120
acgagcacat cagagaatgc ctcttcgtca tcatctattc ctcccattct tatcagagca 180
acagacggaa acacaaacgc accgaatccc aagacagcca aagaccagag ccagaaggcc 240
gcaaggacat ccaaggtcaa gctttcgact gtagtcgcgc aggaggatct cgagacgttc 300
tttgcgcggt atgctgaagt ttgcaaggcg agcatgacgg ggctgaagaa gcgggatcgg 360
aaaaagggaa aggcgaaagc caagggtggt gcttcgaagg ttaccaaggc ttga 414

<210> 17574
<211> 486
<212> DNA
<213> A.fumigatus

<400> 17574
cgtctcagtc tcgtgagtga ctcggattca gatgaagaag ttgctcgtag tgacggagga 60
atatatttgc cgggcttgtt ctcggaagac ggagcgacag gtgcaacata tggattttct 120
ctttttttcg gggcaggctt ctcttcctcc tcatcttcgt cttcgtcttc atccatatcg 180
tcaaagccat caccgtcaaa atctccaagc tcctcgtcac ttgccagatc gctgtcgtcc 240
tcctccgaaa cggcctctgg cgcaagacct tgcgccttcc ttctcttgtt cttcagccat 300
tcgtcggcct ctcgtttgcg ctttcgaatt tcgtcttcgg acccatcacc caagtccct 360
agcaagtcaa gcagtccgtc ctcttcgaac gactttggta gctttttccc cttcttcaat 420
cccagctttt tctctaacgc cgcaatttca gcagcatctt cgtcaagctt gtctttcacg 480
ggctga 486

<210> 17575
<211> 456
<212> DNA
<213> A.fumigatus

<400> 17575
gtgccgcctc cgctccgcaa ctttttttc cgacggcata aaaattacca gcggacatat 60
gtgttgcgca gcctaacaat aataatcaat atatttgtcg cggagatgag acgacccaga 120
ccaaaacaca atactacgtc tttaccccgg gcgcttcgcg ccgaactggg gatcaaagat 180
cactacggcg aaaagaagca taaacggaac ggacctggat cgcgaaaaga ccgacgtcaa 240
gcggaacgga cggagaagaa acggggacct cctccaagat cgaaagctcg acaatatgat 300
ggcgaggacg atgatgatga cgatcttgca gaatttggaa acgagtcaga ttttgattca 360
gattcagacg aagatgtacc ggcgtcaaaa tcaaagtctg cgaaatccga acccgaagcc 420
ccattcgata ctcaagaaga atcggagggg agttga 456

<210> 17576
<211> 1398
<212> DNA
<213> A.fumigatus

<400> 17576
tctctctact ctcgcaactt tataactttc acgtcgtcgg aagcaccttg gtgttcgact 60
acatccggct gttcctgcaa gagatcaacg aggagagcac agaattactg ctcaaaatca 120
tccgaagtac gttgtcaacc ctctttttg cctaagagtg cgttactgac agaattagac 180
tctgggcccc agctccgaca agatgacccg tcttccttga aagacattgt tctcctgatc 240
caacctgccg tagcaaaggt cggcgaagaa tcgctgtcag tccggacaaa atttatgatc 300
gacactatca ccgatctcaa gaacaaccgt ctaaaagcgg cccccggctc aagtgtgacc 360
tcggaacata taaccaagat gcgaaagatc ctaggctctc tgaacaactc ccgagtcctc 420
cgcgcctcgg agcccatcag tatttcacga gaggacattc acaatgcctc ccagaagggc 480
aagtggtggc ttgtcggtgc aagctggaag gaagatcccc ttgtgtccgc tcgtcaggag 540
ctagccagcc taccgcagga caacaaagct gctgcgcagg aagaagacag cgaggtggag 600
cccgacctag ccagcattgc caaggcacac cgcatgaaca ccgatattcg ccgctccatc 660
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cgactgaaac gcgcacagga atttgaaatt ccccgcgtcc tcactcactg cgccatggaa 780
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tcagacgaca tggacgacga cgaggaggag gatgccgggt tccgcgacga caacgacgag 960
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aagccgctga tggagatctt cctgcgcgcg cgggacacgc cgcagatcgt caaggggctg 1260
atatacttca tacgaaaggt cgtcgcgaaa acagatattg tagagtccga gagggagcag 1320
aagttggttc ggtggggctg cagggtcgct gtggatgcct tgaaggttgt ggcgaatgaa 1380

gatgttagtc ttggatga 1398

<210> 17577
<211> 189
<212> DNA
<213> A.fumigatus

<400> 17577
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tctcgcattg gatatgtact gcctaatgaa gcctgtacct ttagcgtgta tcatcatttg 120
tcaatatacc cgtttcaatt gaattgcgca gatgaagcat tgatcctgga caaggcagac 180
tgcgtttaa 189

<210> 17578
<211> 972
<212> DNA
<213> A.fumigatus

<400> 17578
agccccgcaa gaattcttca gcccgtgaaa gacaagcttg acgaagatgc tgctgaaatt 60
gcggcgttag agaaaaagct gggattgaag aaggggaaaa agctaccaaa gtcgttcgaa 120
gaggacggac tgcttgactt gctaggggac ttgggtgatg ggtccgaaga cgaaattcga 180
aagcgcaaac gagaggccga cgaatggctg aagaacaaga gaaggaaggc gcaaggtctt 240
gcgccagagg ccgtttcgga ggaggacgac agcgatctgg caagtgacga ggagcttgga 300
gattttgacg gtgatggctt tgacgatatg gatgaagacg aagacgaaga tgaggaggaa 360
gagaagcctg ccccgaaaaa aagagaaaat ccatatgttg cacctgtcgc tccgtcttcc 420
gagaacaagc ccggcaaata tattcctccg tcactacgag caacttcttc atctgaatcc 480
gagtcactca cgagactgag acgtcaggct caaggacatc tgaacaagct gtcggaagct 540
aatctcatct ctatccttgg cgaatttgag aagctctatc gtgaataccc ccgacaaaac 600
gttacatcta cgcttctgac actactgttc ggtcttgtat gcgaaggatc tgctctgcag 660
gatacattta tcatcttaca tgcgggcttc atcgctgctc tctataaagt cattgggcct 720
gactttggcg cggagcttgt tcagaagctg gttgagacat tcgacgcagc cggggatgaa 780
cgtggcaagt tccaaggaaa ggaaatgatc aacttaatct ctctactctc gcaactttat 840
aactttcacg tcgtcggaag caccttggtg ttcgactaca tccggctgtt cctgcaagag 900
atcaacgagg agagcacaga attactgctc aaaatcatcc gaagtacgtt gtcaaccctc 960
ttttttgcct aa 972

<210> 17579
<211> 384
<212> DNA
<213> A.fumigatus

<400> 17579
acgatccaac tcgtttctca cctccgccca tcggccatca tggcctcgaa ccagccctca 60
aagcgcaagt ccgcctttcc ggggccacag cctggtgcag cagcgtcccg caaacgcgcc 120
aaaacgttcg atgctcgttc cctcgcggtt cagtcggccg acgcagcgct ctctgcgtcc 180
ggagagctga atgtcgccgc gtatgtcgag gctcgggagt ttgagatccg tgctctcgag 240
tcggggatgc aacggtcgaa gagtgccctg acaagccgtg cgtttcagaa agtgccccgc 300
gcgttgagga gacggacggc cagccacaat gtgaaaaggg ttccgcggag gttgagggcg 360
agggcgaaga gagaggtatg ttga 384

<210> 17580
<211> 2307
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (476)
<223> Identity of nucleotide sequences at the above locations are unknown.

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aagagaccca aaaggctttg gaagaggcag gtagccacgc ctataacatc gccccgcgag 180
tgccgaagat caagaaaaac aagctctcac tgcccccgcc gcccgaatca aagtacaaga 240
aacggcagcg gtgcaagaca tggcttccga cgcatatgtt ccatgcgaag cgcgcccaca 300
tggccacttc gaaggacccg ttgtggcggt tcgcggtacc cctgtcgccg acgggaaaag 360
agctatagac cttcgcaccg ggcgaaaggt gccaggggtg cggtggcttg ggatatgagc 420
tacatgtcta cgattcagct agagggcacc gaggaggcta tggaggcggt gctganggga 480
attgggatta atgggcagga tgcttggggt ccgaagggaa ggaagtggag ggctgggaca 540
agaagcttac atgcttgggc gtttgagcgc gacggcacac agagaccgat cgcaccgata 600
accttgatcc gatgtgcgga tggaaaagcg gaagatgtgg aaatggtcga cgctgatggg 660
ccgaagaaga agagtcaaaa ggatagaaag aagcttttca tcagagttca cccgtctgct 720
ttcctgcaat tgtggaacga gcttcttggg atatcgaaga ggcagaatcc gccagtgatg 780
gtggaagatc tgcgcttcga gattggaagc atcgagatta ctggtccggg ttctacagag 840
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gacaccaccc agacgtcacc ggccctgttc gatcgccgtg caagactaac cgctactcgt 1140
caacttccca gacagaaagc tattaatcgt cgacggacct tagctggacc aggtgtctac 1200
cctcctgctg aagcttctga cccgaagatt ccggtgatga tcctcgcttc gagatcaacc 1260
agtcagtcaa agaacaccaa cgcgcctggg acatggaccg ttctattgcc atggaaatgc 1320
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cagggaccgc ccaagatctc cacgcctgaa cctaatgaag cgaaggaaat cgaacagagc 1680
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catcttcagg gccatctgca gcagtctgcc cagccatcag ctgcccaagg cgatgcccgg 2040
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ctccccatcc ccacggaaga agacctcatc ggtttcgtca caacggggaa ctataacctt 2160
tctgaaggaa agggaacggg gattggctcg attctggtat cgaaggttgc ggcgtcaggc 2220
aagggccagg cgcgtgagag gaggatgtgc attgtccgta atgccggcga gcgagtgggc 2280
agacttggtt tctgggagct tatttag 2307

<210> 17581
<211> 231
<212> DNA
<213> A.fumigatus

<400> 17581
aatccagata ggctctcaca ttggttcata tacaaggcat atgtgcctcc tttcagggcc 60
agttacttcg acgtcatcca gacatgtacg caagactacg cggccccgat gtcctggatt 120
tcggtgcgcg atatggcttt caatctcctt ttcatgctga gcatcatcgg cactgttact 180
gttaattatt ttgagagcca ctatttgctc atgttgccat ttaaatctta a 231

<210> 17582
<211> 339
<212> DNA
<213> A.fumigatus

<400> 17582
ccccaaattc ttgcgcttgt cgaccttatt gtgcctggca tcaccacgac cctgtcgttg 60
agtcaatact cgaagggccc gttgccgagc gggcaaagtc ctcgcaataa aagcaagctg 120
cagcagaaag ccctacggcc gaaccagcca tccaaatata agagcaatcc gctgacttcc 180
caatccaaca gcaacgcccc catccaattc tcctctaacc tcgtcgatgc cctccagacg 240
aacaccgagg tacgtctccg agcccagcta acacacccca acacccttgc aacccagact 300
ccaattgcac tccgaaccag accacaacta ttaatctga 339

<210> 17583
<211> 642
<212> DNA
<213> A.fumigatus

<400> 17583
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caacaccctt gcaacccaga ctccaattgc actccgaacc agaccacaac tattaatctg 120
acaaaaaacc agaccgactc ctcccgcgcc aagagcctgg agctccagat ccaagcccgc 180
gtagcccagg aactcgagcg cctccgcgaa cgcgagcagc agaccctcgc cgaaatcgaa 240
aagcgcctgg cagaagccaa agacagcgcc ccggccgccc cctcatcaac gccaaacatt 300
acctacccag cgggctcgct gaacctagac gcgccgcgca tccctttcgc gggccgcgag 360
tacgagtcta cccctgcacc cactgtcgcc gccgaccagc ccatcaaccg tgatcttagc 420
cgggagtcgg tgaatgcgga gattgagcag ctgcgcgcta agcttgaggg acggcggaag 480
ctcgtcgagg tggatgagaa tgttgagcgg gcgcggaacg aggttgtgac ctgtttgcgg 540
ttgcacgata gacggccctt ggattgttgg aaggaggttg agggcttcaa gagggaggtt 600
gccaggcttg aggaggcgtt tgtggaccgt gttgtcggtt ga 642

<210> 17584
<211> 258
<212> DNA
<213> A.fumigatus

<400> 17584
tccagtctcc gaaaacactc aagacatact atgctcattg tttctttaga atatttctgc 60
ccgataaaga ctgatatgat ccactatatt gaccctattt acaacaaaga ctgtaccacc 120
ctcacaaaca aaatccaacc atcaaaccac caccatgcca taattacaaa acgccctaat 180
ttttatacat caagcacttt tctttcaatc cctgacagaa aaaatcaagt acaccttgcc 240
ctcctcttct caatataa 258

<210> 17585
<211> 387
<212> DNA
<213> A.fumigatus

<400> 17585
gacttaagcc ctttcccttg ggcagagaca attccgcacc ccagcacagg ctctccgcat 60
ataaaccccc aagattttag cgcaccgtcc tccaaaccag cctccacgtt cgccactgac 120
cccaaagcag acaccgtcaa acgacaacgc gacctccaga agaaccgcgt ggcggcgacg 180
aaatgccgct ccaagaaaaa gctgtacatc cagcaactgc aatcccgctt cgaggaccta 240
tcccttgcga aacgcgagct gcagtgccag gtgcagatgc tgcggaatgg gctgatctcg 300
ctgaaagagg agttggtgag gcatgctcgg tgcggggatg agccgatcac aagttatatt 360

gagaagagga gggcaaggtg tacttga 387

<210> 17586
<211> 201
<212> DNA
<213> A.fumigatus

<400> 17586
cacattgcgc gtgttactga cccgatcttg aggcgaatgc aggatctcga gcagcggctg 60
aaggaattct accgtctgct gcgacgcatc gaaccgagag ccgatgccaa ggaccagcca 120
ttgatcgcta aagctttgga aaaggcaagt cctgttgagg tgcttgaaac cccctacctc 180
tttggattaa cgattccata g 201

<210> 17587
<211> 681
<212> DNA
<213> A.fumigatus

<400> 17587
gagacgccgc ccgcgagtct tagcccgagc agcgatctat ccgtcgacgc tattacccgt 60
ctcgtaactc cgaccactga tcccatcgaa gaagacttca acaagaacaa gattagccag 120
gcgacaggat tcatcggtgc acactctggt cggtcatggc tgcatcaact gaagcgcaaa 180
gggctccagc tggacgcctc atggttaggc ccagagaccc aggacgactt ctttccagac 240
tcgatcagct ctgtcaatta tttcctggat ggtgaggagc tctcggtcga tccctcagtg 300
cagccattca ctatccctcc ccaagatgtt gcagacgaac ttctcgacac ttactttaac 360
atggtgcatc cggggttccc tgttgtcggc aaaacggtct ttctccacca gtatcgacgg 420
ttatactccg agcctcaatc caagccgcca aagaaatggt tggcgatttt caacttgatc 480
cttgcaattg ctgcgcatca gttgagcttg acatgttctg gtgaagctga tgaatggcac 540
gacacattga tatacttctc ccggggaagc aagctgggat tggctgaaat ccctttgatt 600
ccccacccgg acattcaaca agcccaaatt gaaggacttg ctgcttttta cctgctaatc 660
attggccaag tgaacaggta a 681

<210> 17588
<211> 207
<212> DNA
<213> A.fumigatus

<400> 17588
agatggaaat tcagcagaaa tctcctccct ctccttgatc tccatccaac tccaggtgtt 60
tctcattctt cctctattct ccaccagaaa atcacaatgg gtgtcaccaa ggaactcaag 120
tcccccggca acggtgtcga cttccccaag aagggcgact ttgtcaccat ccactacact 180
ggtagactga ccgatggctc aaagtag 207

<210> 17589
<211> 306
<212> DNA
<213> A.fumigatus

<400> 17589
attgcactat caaacaatct atcatacttt ctatcttctt ttttcaatat accccgatac 60
gaacagcctg tcataatgtc tggactgatg cacaaggtca aggacgccgt tactggtcat 120
caccacgatt ccacccacac ctccaatacc acgggtacac accacggcac ccaccagacc 180
actgctgata ccactaccac caaccatggt cctcatcact ccaagctcgc caataagctc 240
gatccccgtg tcgacagcga cggtggtatg ttatacttgc acctcaacct cttctgcaaa 300
tgctga 306

<210> 17590
<211> 399
<212> DNA
<213> A.fumigatus

<400> 17590
tctgacactg ttgttgacag ggcgtggaga atgtccggta cggcaactcg ttccgccatc 60
gctatgggcc ttcatcttag gagcgttagc aaagaatact tggatatctc gaaagaaact 120
cgttgtcgag tttggtggtc aatcctcgtc ctcgaaacaa ctctgtcagt catgacgggt 180
cggccgtaca gcgtggcgaa tcagttttgc acggcgccgt tgccccttcc atttgacgag 240
gaccagtttg gagatgcgtt tgttgctcgc ttgcttgcgg atgccaacgc tcgacgtgct 300
cttttccaag tccctgctgt cgtcatcggc tccggatgcc gaaacctatc ttcccgccgt 360
caagccgtgt gcgtcgctct actttctgtt caccgttga 399

<210> 17591
<211> 219
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (133),(139)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17591
attttcccaa atttcccccc aattcaacac atttttcccc cggaagtttc aaaaaacctc 60
accggacaca aacacctaac ggcggtcccg accgaggttt acaccaaacg cgaacatccc 120
ctgtcaaccc ttnaattgng acttaagccc tttcccttgg gcagagacaa ttccgcaccc 180
cagcacaggc tctccgcata taaacccccа agattttag 219

<210> 17592
<211> 321
<212> DNA
<213> A.fumigatus

<400> 17592
ctactctttg ctgtgtatct tttccccatg gacccccgga gtcaggcttc tcagatacgg 60
aagcgtcaga gagaaggctc accaggtgga attcagaaaa acaatagtcc actacaatca 120
tcatcaaccc aatctttacc caaagtcagc ttgccgcgca tcacaacggc aaagcctcgg 180
acccgtcgag caagcagagc gtgtattagc tgcagagagc aaaaggcaaa atgcacgggg 240
ggatcgccat gtgagagatg ccgcgagctg aaaattgagt gtgtgtttgt agctaacaag 300
aatgagaaga ttgcaaggta g 321

<210> 17593
<211> 870
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (767)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17593
gaagaactaa ctggaattat tccaatgact ttactaactc tttcatcaga taaccgtgcc 60
cacactggtg ctggagccac caccaccggc gcttatgcca gcggtgccca caacacttac 120

ggcacaacat ttaccaatgc cggacctcac aactcgaaca tgttaaacaa ggtcgaccca 180
cgcattgact ctgacatgga caaccgtgct cgccatgaga ccatgggtgg tgcccatggc 240
cctcacggct ctagcattgc caacaagatg gacccccggg ttgacagtga catggacaac 300
cgtggtgctt acggaaccac cactacgcac ggcaccggcg ccggaaacac cttcggcacc 360
cacaccagct ccaacgctgg cccccataac tcgagcatga tgaacaaggt cgaccctcgc 420
gttgattccg acatggataa ccgtgcccgt caccaggcct tgggaggtgc tcagggtcct 480
cattcgtcca accttgccaa caagatcgat ccccgcgttg actctgatat ggacaaccgc 540
ggcactaccc atggaaccac tggccacgcc tacggttctg gcgctggtat gaacaccagc 600
atgggaactg gcatgggaac tcacaccagc acaaatgccg gtcctcacaa ctccaacctg 660
atgaacaagg tggacccccg cgtcgattct aacagggaca accgcgcccg acacgagaca 720
cttgcttcca acagctacaa tactcctggc gctaccactc acaccgntgg gccccacaac 780
tccaacctga tgaacaagat tgatccccct gtcgattccg acttggacaa ccgtggcacc 840
cacacccttg gcacccagcg tggcatctaa 870

<210> 17594
<211> 579
<212> DNA
<213> A.fumigatus

<400> 17594
ccggaatcac gtattcttgc aggcatttca agcgaaacct cggctctgta cttggcgtcc 60
aaatctaact atcagcatat tctggacgga acgctactgc ctggtgtctc atatcccgaa 120
accttggctg agaatctcag ctcaaagaga acgaatcaca agctcgcaga gcagggtcgc 180
agaaaccgaa tcaacaacgc cctcaaggaa atcgaatctc tgatcccatc cgcgttcatt 240
cagatgaagc aaaccaaaga gaatgtggcc agtcatgtca aaggtgataa agaaaaggag 300
aaagagaaag ccggagcacc aacaatcagc aaagccagta cagtggaatt ggctattgac 360
tatatcaagg ccttgaaaca ggaattggaa gaaacgaaag gaaagctggc cgctgctgag 420
gctcgaatag gagagaatgg agccgcgaag gatgaagact gcaaagcagc cacggtatct 480
tcaccgggag atgagaagtc gaagagctcg aatggcacac aggactcgag tacggcagag 540
ggcgctgttt ctagcacgga agctactggc tcgtcataa 579

<210> 17595
<211> 966
<212> DNA
<213> A.fumigatus

<400> 17595
cctcatcgtc catattctgc agtttccaac atagaagaga aagaagtcga gctgctaaaa 60
agactcgaaa gcgaaggcaa ccgaattaga tcacgatcga ttcttctgcg cccgcccgcc 120
cgtaccaagg tcattatgga ccaggacaac tcgatggcat ggccggggtc ccttcaggaa 180
caatcgctca tggccgcctc tggcgaagat gaattcacta attttctgga gtttggaatg 240
catttccccg atttggaggg gcacggacca ggcgagcgac agctacagcc tcctcgttct 300
cttcccgcct cagcgtcgat gatgccgacg accactgctg agcaggaaca actgatccgc 360
atggacacag actcccttcc caacgctcac tcgtcttcat cctacagcaa tcggatcatg 420
ggggatttcc cgtttgacct ttccaaccac aaccagcaat ctcaacctca gggccaaata 480
ccctcgtcct acaccagcgc tcctgtaacc ccagccttct acaaccagaa acttgcacaa 540
cctcaaatat accatcatcc tcaacaaccg ccacagaagc agcagcagca gcaacaatcc 600
catcatggac tgcctaccac ctcgcaaccc tacattcccc acggccaagc gatcattccc 660
cctactccga acagcattga gcttcagggt aatgcggcac gatatccggc ccaggtggat 720
gagaaccacg aattgtacga ccgataccct cacatgaacg aagagcaggt gagactaaat 780
cctcccgggg cgtccttcgc tcattgcgac ggaagcgcac aggctaatgc atgcgcccgc 840
attgacacag gcactctaca cacctctcgt ctctcccgcc atgacaccgt tagaaactca 900
atttcgactg cccgagtaca caattccagg ggagtatttt acccccctca catctccagc 960
tcttga 966

<210> 17596

<211> 1149
<212> DNA
<213> A.fumigatus

<400> 17596
atcctcccgg ggcgtccttc gctcattgcg acggaagcgc acaggctaat gcatgcgccc 60
gcattgacac aggcactcta cacacctctc gtctctcccg ccatgacacc gttagaaact 120
caatttcgac tgcccgagta cacaattcca ggggagtatt ttaccccccc cacatctcca 180
gctcttgagg cccagaactc caacggcaat ggctatccat tccagtcggt atccgaggtc 240
ggttttctgc actcccctgc cgacgctatc ccggcctctt ctgctccttc ctctcctggc 300
ttgatgagga aacatcgtcg ccggccatcg gccaccaaat cattttcctc acgcgccaag 360
aaacaacaat cgccatctgt gcgcccacag acacgaaaga agtcaatgct gaatctcaac 420
tccgacgaag ttctcaatgg tctcagccaa gatcaaggag tctccaaaat actgcctcac 480
ggtgtgagtg ggcttcgcca gagcagcaat gagagctccg accaagattc tgtatcgccg 540
gaaccccttt cggaaccatt gatgccgcct cctgccctgc cccctgcgcg aaagtccccc 600
accatagtgc cacaagccaa ccagtctcaa acgagcactc cggcaacccc agcaatgttg 660
atgcgtcttc aacggccgca gcccgccgag aatccaacgg gtcaattcaa tggccaagca 720
aggctcgtat ccacagaatc ttatgacgat gtcatggagg atgtcatgct cccggaagct 780
gccaacccgt catcggaact ttctcgacct caggtcggac gcattgatac cgccatgaag 840
tcaggctcag ctacaccagt tacatcagcg agtatcacac cgtcgttgga acccaagtca 900
gcaccagtta tggatcggaa tcttacctcc attgcgccga gcccacgcac gatggccatg 960
ccttcaccca gcgggccgat tgcgaagaag tcggacacgc ctaagcttgg tccgatgggg 1020
aggaaacggc agagtctgag ctcgacacac gccagtccta atttgagacc caagatcagt 1080
cctagcattc agcccttggt gcgtggcgaa ggtaagcaat gtcatctgtc ctgctattgt 1140
tcccgatga 1149

<210> 17597
<211> 1026
<212> DNA
<213> A.fumigatus

<400> 17597
agctgtgaca ctcagtctgg gttggttgtc cgagtcaatt ataacaagct cgatgtcgca 60
ctacgaaatc gccgctttgt agagttagct gagcagggtg tgtcgccagc aacagccaaa 120
gtatatgaat gcttacttcg acgcattgag taccagaccc accagtgccg agacactgcc 180
gagatacctc gcgaaggaga agaaggagag cagtactctg tgccgatagc actcagtgca 240
ttagctgaag acgtcaatcc acagcttgac ctttctagtt ctacgggtcc gatggatagc 300
tcgcagccag atggcaggcg tgggaaacgg ccctgggacg gtgatgttga gggaacaaat 360
cacgaagagg cgaatggact gtcttctggc ggtaatcgta cttttgagat tgatcaacac 420
ctttctcttt tggcgcagcc accacacaac ctcacgtcta aacgcatggt gtcgggcctc 480
attacgtgga cagtagagtt ccgtcatctg gcgcgaaagc tccggcacct cgaactggag 540
cggatgatcg aggctcggta cggcgatgtt gcgttgcggg tggtccgagt tctccatgcc 600
aagggcaagc tagacgagaa gcgactccag gaaatcagtc tgctcccctt caaggacctg 660
cggcaggtcc ttgcgagcat gcaagcaggc ggattcgtgg acctgcagga agtaccacgg 720
gacgctcagc gccagccatc gcgcacaatc tacctctggt actacgaccc tgaccgcatt 780
tgcaacagtg tgttgcagga cacgtacaag gccatgtcac ggtgtctgca gcgtctgagg 840
ttcgagcgta gccggataaa ggatttcttg gagaagacgg agcggagtga tgtcaagggc 900
aacgagcagc ggtttttatc tgaacccgaa ttggtgcttc tagagcagtg gagggccaaa 960
gaggcgttgt tattaggcga ggtggcgcgg ctggatgaga tggttgctgt aatgcgagac 1020
tattaa 1026

<210> 17598
<211> 195
<212> DNA
<213> A.fumigatus

<400> 17598
gggaggctgt ctgcaagcca ttttactact ttggagtacg tgcctagttt tgcgattcta 60
gaactgaagc caaacaacta ttcacagagc aacatgaata ttgccgattt aaaaaaacaa 120
aaatggctcc taccgcgagg acaagaatta tcaggcgaat ccagaattag gattcggatg 180
ggttatcaca attga 195

<210> 17599
<211> 261
<212> DNA
<213> A.fumigatus

<400> 17599
aatggcttgt caaaagacct ttatgcaaac atcgctttgt tccagcatca cctcgattcc 60
tgtgacaaag agtttcaggc acttggattt ttccaagcca cccccattga gagtctgcct 120
acattacatg cagttttcct tgcggtgcat tacaccactg ccaaatgctg gatggactgc 180
ggcctaaagg tggatgccgt catagggcac aaggctgagc agctgactgc tctctgtatt 240
tcaggttacc tgcctctcta a 261

<210> 17600
<211> 1656
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (150),(176)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17600
gccatggagg accaaggcca tccaccgtct gagccaagag cgctcttcga caggcgagat 60
gatacagaca gcaccaacaa tgctttcgat gagaccgatc tgtcgcgtac tctttttcag 120
gacacttccc acacccctaa agcggaagan tggagtttga tgcccgactt caaganacag 180
catgaccgga atgtagcgtc gggttttcga cgtcgcgaac ttggcgtaac ttggaagaat 240
ctgagcgtgg acgtcgtcag cgcagatgcc gccatcaacg agaacgtttt gtctcaattc 300
aacattcctc agcatattcg agaatcccgt aacaaggctc ctttgcggac aattcttcac 360
gaaagccatg gctgcgtcaa accgggagag atgcttcttg tttttggtcg tcccggctcc 420
ggctgtacaa ccctgctcag gatgctttct aaccatcgac tcggctacaa ggcaattcgg 480
ggagacgttc gttttggatc gcttactccc gaggaagcct ccaaataccg gggccaaatc 540
gttatgaaca ccgaggagga actgttcttc ccaaccttga ccgttgcaca gacactggat 600
tttgcaaccc gacttaaagt tccctttaac ctccccgacg gtgttacttc accggaagct 660
tttcgccagg aaacccgcga attcttgctc aagtccatgg gcatctctca tacttcggat 720
acgaaagtcg gcaatgagta cgtgagaggc gtcagtggtg gtgagcggaa acgtgtgtcc 780
atcatcgaat gtcttgcgac tcgtggctcc gtcttctgct gggataacag tactcgaggc 840
ctggacgcca gtactgctct tgaatgggcg aaagctgtcc gtgcgatgac tgacgttttt 900
ggattgtcat caatcgtgac cctttatcaa gcaggaaacg gcatctatga ccttttgat 960
aaagttctgg ttctggatga gggcaagcaa atttactatg gtccaatgtc gcaggcacga 1020
cctttcatgg aggagcaagg cttcgtttgc cgtgaaggat cgaacgtggc agacttttg 1080
actggtgtta ctgtcccaac tgagcgtaaa atccgaccag gatacgaaaa tcgcttcccg 1140
cgcaacgcgg atgagcttct ggccgcttat gagaagtcgc ccatccgagc ccagatggcg 1200
atcgaatatg actaccctga tactgagtcg actcgggagc ggacggagga attcaaactt 1260
ggagttcttg atgagaaagc taaacgcttg tcgaagaaca gcccatttac cgtcgacttt 1320
ctgcaacagg tcaaagcatg cattatccgt cagtaccaga ttatctggac cgacaaggcg 1380
acatttgcta tcaagcaaat ctctactgtg attcaagcac tcgtcgctgg ttccctgttc 1440
tataatgctc cagacaactc cggtggctta ttcatcaagt ctggtgccct gttcttctcg 1500
ttgttataca acagcctgct cgccatgtca gaggttacgg attccttcag cggtcgacca 1560
gtcctgatca agcacaaata tttcgctttc ttccatccgg ctgcattctg cattgcacag 1620

attgctgccg atatcttcac cgccgggctg gaagga 1656

<210> 17601
<211> 2121
<212> DNA
<213> A.fumigatus

<400> 17601
gttccggaat tgtggaatga aagtggtgac acttatgtct atctgttccc ccaaaacact 60
ggacggtcac cgtcgttcaa agtccattca accatcttcg cggaatcacc gtccctcaca 120
ttccttgccc ggggcacaga cccgagcagg gtgaacgctt tggagcaaca agcgcgctcc 180
atgtcattga atagtccgat gacaagtccc gcttcgcctc ctctgactcc tcaggacgga 240
taccccgaca atgataatga cagtaccaac agtcggcgga tggccttcgt ggatgacgag 300
ggattggacg atttccaaga gcttcatcta taccttccaa taccgctgaa cagcgatgtg 360
tccagccccg acagtcgaat ctcacccgag gacacggaga cactcatttt attccgcaat 420
ctcttcgcct tcctccttgg ccaatccctg atcgccactc cccggtcacc cacactcttc 480
tcgatcttca tggatgtggc cagtctactg tcgcgcttcg agttcagcaa ctttgatgga 540
acgaatttcg gcgaaacggc caccagcagc ttcagcaact actgtgacga actgcaactg 600
gacgatgtcc ggaaaagccg cgaaaagacc attgaggcca tcgtgctggg agaacggctg 660
cgtttcttcc ccctgtatct cgagggcttc gtccacggtg tcggtaagct ggacgagctg 720
aagcagctgc ggagtcccaa gttcagtctc atcagtcccg tcacccaaaa acggatggaa 780
cgcggcttta tcgacctcga tacgcgcctc cgagtcttgc atagcaaatt gaacgagttt 840
gatttcccgt cggtcttctc cggagtggcc aactcgacca catccgcgga aagcaagatt 900
gtgcgattca agctgtggaa ggccgcattc atggagttcc gacggtttac cgtgcactac 960
taccgacaga agtacggctc atggccacca aaggcccggt cgaagaagaa tcaattcgag 1020
gagagcggcc tcaaccgcca ggtcttgaag gacctgtacg atgactttgc caatctgtac 1080
gacatgttgg tcgatcggac cgccctgacc actcgaaccg tcgatatggc ggccctggag 1140
acggtcgagt ccgaagacac gcaggaggtc atgatccgtg ccctccgcca ggtgttgagt 1200
gagtacgacc gcgccacgcc gccggttcag ccacccatcc cattcgacgt tccccagttc 1260
ccgtcattag actcgctgca gctgaaggct gtggacccca agaaggaggc caagcgcagg 1320
gccaagaaac tgaaagactc ggacatcaat gccgtgctca tgggttcata cacgcgggag 1380
agtatgcggc caaccccgtt catcgaagcg ttcatgcaat tcgagcggcg ctgtgcgcac 1440
ggcaagaatg tggaagatct catcgatctc cgctgtggcc agtggatctt cctctactgt 1500
gtgatccaag ctctaccgtt gctcgtggtc gatgtgcagg atgtcaagta caccgacggc 1560
gtcgagtatc ttctgtgcat cgcaccccgc gggggtgccc cctggatcca caacgatggc 1620
aagaccgcac gtagctggtt tggggttgcc ggcggagccg gggtggtcag cctgccgtcg 1680
gacgtcgtga tcaacggcgt cgagggtatc taccgccgca gtcattgctg gcaggtggcg 1740
gagcaatggg ccgagaagga cgccatttta ggacctccga ccatcgatga cccctatgat 1800
aacgaatcct cgctatcctc gccctacccg ggacagccat cgtcgggcgg gtcgtccacg 1860
gagcaacccc agcaatcggc acaactcctg agtcccaacg gtctcactcc accacctccg 1920
gtgattcctc gcaccagctc accggctgcg cgagctcgac ccgagcatcg ccattccatt 1980
tatcccggtc tcgaggccct cccattgccc gctggagttg cgcccgttga tccaccagcg 2040
agacccgtca gccggctcaa ccccaacatg agcttcgacg atattctgaa gcaggttccc 2100
aaccaaagag cgaagaaatg a 2121

<210> 17602
<211> 231
<212> DNA
<213> A.fumigatus

<400> 17602
atctgcatta ctacttgtct gattcccata tcaccttgtc cagtccgcat tccccccttca 60
ttcactgctt tcgtccattt ctggttgtct ctttattatg gttcattaat catccgtgga 120
gtgcacacac tgtacaagga ccaaaagaat gggtcagcgc aatataagac tgggaatcca 180
accaatgtcg aagcgaactt cgctcaagaa gaagaatccc taatatcatg a 231

<210> 17603
<211> 495
<212> DNA
<213> A.fumigatus

<400> 17603
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gcaagcgata gcgccgacaa caccgaagat gaaagcggcc catgggggca cgaagccaga 180
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cttcctctcg agtcggtaat ccagaagaca ccaagtgaca ccaccaacag aagcggcgag 300
gttagtcaca aatgctgcca taacagctcg catgttggcg gcaagggccg agccagcgtt 360
gaatccgaac catccaaccc agagaaacac agtgccaatg acaacgtggg tgacgttgtg 420
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cgccaatgct gctga 495

<210> 17604
<211> 237
<212> DNA
<213> A.fumigatus

<400> 17604
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gggaactcta actcagccta tctttctggg tccagtagta tgaccctcca tgtactggaa 180
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<210> 17605
<211> 3129
<212> DNA
<213> A.fumigatus

<400> 17605
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aagatggagt cgcctcagga tcgtaaattt cgagtcttgg agaatccaga cattcccaat 180
catgactcgg atagctcagg gtcatccgac gagcttctac agcagccgta tgcaatgagg 240
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gatgcataa 3129

<210> 17606
<211> 1167
<212> DNA
<213> A.fumigatus

<400> 17606
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gaccgatctc ttgcagtcct ctcgtcctct gcgaccaacg ttacgcttag atggcagcaa 180
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gcccaacaga tccgggacga aatgggagta ttggaggtcc ttgatcaccc taacattgtc 360
tcctaccatg gtatcgaggt tcatcgagac aaagtctata tcttcatgga gtattgctct 420
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acagccgcgg agctgctaca gcatgaatgg attgtctcta tccggcaaca ggttgtcgtt 1080
gagcctcaaa ccccgagcag tgacggcggc agtagcagca ttagcagctc caattcatgc 1140

agccgtcata attccacata tatgtag 1167

<210> 17607
<211> 195
<212> DNA
<213> A.fumigatus

<400> 17607
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atggcggaat acccggtggc ctacaatggc accatagcaa cgggtggaga ttccttgacg 120
gaggaattga acatatacta cagcgtcagt caacctcacc attgtaatat gttgttctgg 180
aacgaacgct tgtag 195

<210> 17608
<211> 192
<212> DNA
<213> A.fumigatus

<400> 17608
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tccattatcc ccggcgattt tgacttgtat cagcgtcgca tatttatggg tctggccctc 120
tctccctgtc acatttctcc ctttatcaga catcgaagcc ttccctttcc ttcttctcgt 180
gttcagctct ga 192

<210> 17609
<211> 294
<212> DNA
<213> A.fumigatus

<400> 17609
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cgaaagtcag ccctctctct gatatggctc tcgataatgt ctgtcggtgt cgtttccttc 120
cagtggtttt tctggggcta ctcactagct ttttcccata ctgctggaaa gtacattggt 180
gatttatcga attttggatt caagggtgtg ctggcagcgc cttctgttgg cagcagcaag 240
gtgccggatc tgctcttcgc cgtgttccag ggaatgttcg cttgcattac gtga 294

<210> 17610
<211> 690
<212> DNA
<213> A.fumigatus

<400> 17610
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tgcatggttt tctcctttat ctggaccacg atcatctatg accctatcgc ttgctggaca 120
tggaattcct ccggttgggt cttcaacctc ggtggcttgg actttgcagg cggcacacct 180
gtgcacattg cctccggctc agcagcattg gcgtactctt tgatgctcgg gaaacgccgt 240
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atgcgagctg ttatggcagc atttgtgact aacctcgccg cttctgttgg tggtgtcact 420
tggtgtcttc tggattaccg actcgagagg aagtggtcta ctgtgggttt ctgctcggga 480
gtcatcgctg gcttggtcgc tattactcct ggatctggct tcgtgccccc atgggccgct 540
ttcatcttcg gtgttgtcgg cgctatcgct tgcaactatg ccaccaaact caagtattgg 600
ctcaagattg atgacgccct ggatatcttt gccgtccacg gcattggggg actcgttggc 660
aacatcctga ctgcattctt tgccgcgtaa 690

<210> 17611

<211> 828
<212> DNA
<213> A.fumigatus

<400> 17611
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cagttgaacg tctccatgga cctcaatgag actgtggttg gggtgagtgg tggtttcagc 120
cgaatactct cgtttggcaa tgaatcagca ttcgatgtat ctgggtttgc tgtgtgggtt 180
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acgagttctg gccgcaacct tactattctg ggtggtcatt tcaccactat cgccagcgat 480
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tttgcaggtg ggaatgtcac cggaacagtg ggcaattcca tgattaatgg gttcgtggca 660
tacaacctga agaacgagtc gttcgttgag aatgtgcctc ccccatttac cgggaaagac 720
gtctccgtca atgcaatagc cttccgcccc ggaaccaccg aaatctattt tgggggcaac 780
ttccaaactg ctggagcact cccttggccc cgccgtctgt ttctatga 828

<210> 17612
<211> 261
<212> DNA
<213> A.fumigatus

<400> 17612
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gctttctgct gcgctcttgg ttgcgtcttc ttgattgtca tcgccggagt tatcttcaat 120
aagattcaac ggcgccgcca gggctatatg cgcgcccccc aagcatatgg cactgaccgg 180
ccgtcgacca tgcgacgggt tcctccagaa tacctgttta acacgctcaa gcatccgaac 240
ccaggtacac cagtgttata a 261

<210> 17613
<211> 678
<212> DNA
<213> A.fumigatus

<400> 17613
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tcccttggcc ccgccgtctg tttctatgat acaacggagg cacagtggac tcgaccaggt 120
gtgactctat atggtaacgt cttggcactc aagtggatta gcaacaagca attgattgcc 180
gttggaaatc ttactgtttc gggaaatcag actgtcgtcg cgacctacag tcctaaagat 240
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gacggcacaa ctatacgcag ccttgaaatc ctcccactgt cccagaagca tcgtgatgtt 480
tctgttctta ataatgacca gatcctgctg atcacaggac aacttgtgat tcccgatttt 540
ggcaatgcat ccgctgctct attcaacgga accgacctga ctccgttcct cctatcctcg 600
aggtgggatg gccagtcggg cagtatgtct caattgttct atgagaacaa gaatccttac 660
actagtggtg gtcagtag 678

<210> 17614
<211> 231
<212> DNA
<213> A.fumigatus

<400> 17614
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cgccccagtg aaggtgtgat ttttcggcat cagcaaaatg cttcgatgaa caagagtctc 120
gagaactcgt cgaatggccg cggtagtctg aaagggtttt attcctacaa gaatactttc 180
gatgatgaca gtgtctggct ggatatacct aaagacggta cggacaagtg a 231

<210> 17615
<211> 213
<212> DNA
<213> A.fumigatus

<400> 17615
tcggtactct ttttctcccc tcgctaccga caacggatct cattctctgg cactggatca 60
caacacacct tccaatatac taggccttac cgccccttca gtaccgtctg gatcttcaac 120
aaatgtaccg catactgcat tgccccctca gccatcgcct ccaatatcaa tttcttcttt 180
ctccaatccc aacagcacaa cacgaaccaa tga 213

<210> 17616
<211> 693
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (418)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17616
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gagactgttc tgggggaatc tgaagccgct gttctagcct ccaaggctca ccaaaaaggt 120
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gaagctccag ggctgtggta cgtctttctc gaccctcggc aggatagtgt accttctaac 660
gggaagtata taggatggat ctcttcgatt tag 693

<210> 17617
<211> 246
<212> DNA
<213> A.fumigatus

<400> 17617
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gcgccgttga atcttattga agataactcc ggcgatgaca atcaagaaga cgcaaccaag 180
agcgcagcag aaagctacga gaaccacgat tccgttcgag tggtgatggc ctgtagcaag 240
agttag 246

<210> 17618
<211> 564
<212> DNA

<213> A.fumigatus

<400> 17618
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ctgtgcgtgc gtggccccac tattaccccg gggtacttcc gcaacgactc cgccaacgcc 120
gagtcctttg acgcagaggg ctggttcaaa acgggcgata tcgcgtactg cgaggggcgc 180
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cggctggcga agtacaaggc gctggttggg ggggtcaagt ttgtggatgc tatcgcgaag 480
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gctggattga gaccgaagtt gtag 564

<210> 17619
<211> 741
<212> DNA
<213> A.fumigatus

<400> 17619
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gaagtcctca acgtcctctc tgagagaaag cagatttatc tctcgctgct cgcgtcaagc 180
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tttgctactg ctgctctctg a 741

<210> 17620
<211> 990
<212> DNA
<213> A.fumigatus

<400> 17620
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<210> 17621
<211> 468
<212> DNA
<213> A.fumigatus

<400> 17621
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ctccaccgtc ctactcccat catcccagct atcccttccc catcgcggat cttccccct 180
ccatcgccaa cacgctgctg gatctcccag ccacccccc tcgcagcatt accaaccagc 240
cgcacctgga tctcctctac taccaaccct ttatcccgtc agccaccgcc cgcgagctct 300
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cgaccaccac ccagatcacc accccgcgct tcaccaccgt ctttggcgtc gacgatacct 420
ccctcttcac ccattcgccc ggtgactctg gctctacctc ttgtctag 468

<210> 17622
<211> 516
<212> DNA
<213> A.fumigatus

<400> 17622
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gtcagctgtg tctgggcagt tccacgaggc aaggatacga gggtcagcat gaatgccccg 120
ctcaggctga cggaggattt atgtcgggac cttcctggcg atgacagagc agtcagcatg 180
gcttcttcgc gtcctgtcta ttcgctgcag gaggtctcgc ggcataacat cgcaaaggac 240
ctctggatcg taatcgagaa ggaagtctac gatgtcaccc aatttcaggc agagcacccc 300
ggtggcgcga ggagtgagtc atctactgag agaccaagaa agcagtctga cgagacagtc 360
ctgcggaagc tcgctggcaa agacgcaacg gagaaattcc tcgagtatca tgatacatcc 420
atcctcaccc gataccgaga gcgcttgcag gtcggagtgt tggtcgaggg accggagccg 480
cagaagggat tccttagtag attcttccgc tcatga 516

<210> 17623
<211> 1329
<212> DNA
<213> A.fumigatus

<400> 17623
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tcgacgatgg ggtccagccg aaccagcttg gatgaccagt cgtctctctg gagtccgtct 180
gcctctagta cgtggagtaa atactctctc ggtaaattga cttccgcgtc tgtcgattct 240
ttcggctcgg attatccgcg tggggattat caacagtcga ttgggttcgc gaacgcactc 300
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acagctcatc ttctggagga tgagactcta caactggccg gggcgccgtg ggccaaagaa 420
gggagcctca aacacaagca acacctggat tcggtcgaca agagggccaa ggatcgtaat 480
tggaatgaat gcttcgctgt gattcagcaa ggctggatgc gtctgttctc gttcagcaac 540
gcggcgaaga cgccgcgcca gaaacccaaa cagcgtcccc atggaggggt tgtggtgggg 600
ggtggaaact ggacagaaaa tgcccaggag ctgtggaaat tccttctgcg gcacacaatt 660
gctagtgcac tcccgccccc aggctattcc aagtcacgcc cacacgtctg ggcattgagt 720
ttgccgacag gcgccgttca cttgtttcag gcgggcacac ccgagattgt ccgggaattc 780
gtctcatccg ccaactactg gagcgcgagg ttgtctaagg agcctctagt cggaggaatc 840
agtaacattg agtacggatg gagcgatgcc gtgatcaaca gcgctctggt gcacgccgac 900
aacaacagaa cgccaccttc atccgggcct cgagctagca ttcagagttc catccgcagc 960
tctatcgacc agcagggcat gcgacctagg ctgccggcgg accgggtaca tatcagtgat 1020

tgggcgccac ctcagcagag tatggcggcc tcaacactgc ccgaagccga gcagctgaaa 1080
gctttacaaa cgtacgtcaa gaatgtggag gatgacttgt cgcgtcacaa cgagcttcga 1140
cctgccatga tacttgcgtt ttcccctcgc catcccaacg cagccaaggc gatggccaac 1200
tgggaacgca aatcttctta tttgttacgg gagattgtga agttccggac gtatattgat 1260
tcgctccaag cggcaataga tgccaagaac aagatctatg caactcgcga agaagatgtc 1320
ccttcatga 1329

<210> 17624
<211> 2361
<212> DNA
<213> A.fumigatus

<400> 17624
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gcgaatgtgg agcaaggaaa aggcctgtgt cactgtgtgc ctagacgctg gatccaagcc 120
gccaacgtca gtccaaaacc gactagacta attggactaa accataataa aaataataat 180
aataataaca acaataatac tactgtcacc atgtcgacca attccgacct ttcgccgccg 240
tcctctccgt ctccgatctt ccaaatcact cactgcgcgc agtcgattct cctcccgtcg 300
tgcgtgtcga tacctgacgc ctttgataca gacgacgaag tgttcgcatc ggtggaggag 360
ttttgtaacc cttttgattt gatggtgcag gacaccacat gggcagatcc gcccctcggc 420
ggcagcacaa caatggacga agctcacgat acagacagcg aggtttacca tacccaagat 480
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catgacgatt cgaatatatc ccacctccct cccttacccg atcacgatga cagtagcttg 600
ttcctctcca gcgaggatgg agaccatgag cgcgctgaga accagaccct cttggaagag 660
aaagagatgc ggaggaaatt gatggacatg gagtcgagtt tcttaccgga gccctcgaca 720
atcgaggtcg ctccttcgaa ccaggcggcg ggtatcggcg acactctgtt gcaagataac 780
tgtgataatg cgcatgagcc ggcagcatct gagaccaacc agtccttcat gacagcggac 840
aatacgagcc ccgacttgat atccactggc aaggaggtgt cggttccgca aactccgagt 900
ttgggtcctc atgacgattc taccatgggc ctggatgcta cgcccactac cgtgccgcaa 960
catcatggag atgacacaac cgcgttggag gcgatatctt cgtcgccagc agcagacgcg 1020
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gccagtaaca acacagagat taccaataac gatgcgacgc tgggcgcgga ctacgccctt 1380
cagtccggtg gcgcggtccc aggcaactct catcctgcgc aaggtgaccc tcgcaacaac 1440
ctaacgagat ccgttagctt aggcagcatg gcttccggca tttctagctt gagtgaagag 1500
aatgtcatgg agaggagaaa tccctctgcc gttgccgagg gtggcctgca gaccctgact 1560
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aaggacgtcc aggtaccaag cgcctttgtc aggcagttcc gggaagactt tgcgggtcga 1800
ccatcctctc ctgagaagcg tgcaggcctc ccgactccag gtttcgcgag aagcggtcga 1860
accatgacgc tcaaagagca aagcagcacc attgaccgtt tgtccaagga gaactttgat 1920
ctcaagatgc gcatccactt cctcaatgaa gcgctgaaca ggcgttcgga ggaaggaatc 1980
aaggagatga tctctgaaaa tgtcgagctg aagtcggaca agctcaagtt gcagaaagac 2040
aatcagaatt tgaagaggaa aatccgcgac ttggaaaagc agctcaagga tcaacaatcg 2100
gacaaagagt ccatggctaa ccacgaccct gagggctccg acgaggattc ccgcgatgcc 2160
gcacaggacg aagagattct gtttatgcgg gagagacagg aggcttacga acttgaaatc 2220
gagaggcttc gatccgagag tattgttcgg gaaagcgaaa agaggagact cgcggagatg 2280
gtcaaagcat tgagtgacag gccgatcggt tcagaggctg gagctagaga agagagggta 2340
atgaccaccg atgtcctgta a 2361

<210> 17625
<211> 255

<212> DNA
<213> A.fumigatus

<400> 17625
agcccgcttc atttttgctc taaaacttgt atagcatcaa cgtcgaatat atactcgtat 60
acatcaattc tagccgcatc tgttgcatac accctctcct tctctccttc tctccttatc 120
ttcaacccat ccatcaacga tatcgaatcg gatattctat ttgtcactcc tatccccaga 180
agcttcagct gtggatctct caaccggtgc ttcggtggcg gacgttgtat agtctcccag 240
accaaggcca ggtga 255

<210> 17626
<211> 375
<212> DNA
<213> A.fumigatus

<400> 17626
ttgagagtct gctttcggac attgccttgg aaacgggaag tatgtgtcat attattgatt 60
tggatcataa aaagatggag cagcgtcagc ggattgtgcc ggttgtctct tgtttctgtc 120
ttcagttcat tcatacacga caacaggatg tggtatcaat catcttcctt gcttggtgtc 180
gctgcggtcg cccaagcagc cacagtgcac tattccctcg acctaacatg ggaaactggc 240
agtccgaatg gtgtcagccg ggagatgatc tttgtcaacg gtcagtttcc cggtccaacc 300
atcattctca acgagggcga cgaggcgatt gtaagtatat ggcagcatgg cagcatagaa 360
agatcgggat actga 375

<210> 17627
<211> 489
<212> DNA
<213> A.fumigatus

<400> 17627
caaggggtgg gtcaatccat gcatattgca tattgcagat ccaatagaaa tgctaattgt 60
caaagatgcg tgccatatgt gcctcccatc caaggcaact gggaacatca ccctgacaag 120
gtcccccccg gcctgaacga gggctgccat cccagcacca cgcaagaaac aatcttcact 180
gtggatgccg cacaccaatg ggcaagtttc cacttcatca gtgcggccag tctcaacgtg 240
ctggtcgtgt ccatcgacga acaccccatg tatgtgtacg aagtggacgg ccggtacatt 300
gagccgcagc tggcacacag tgtgaaactg tacaacggcg agcggtactc ggtcatggtc 360
aagctggaac aagaaccagc caactacaag atgcgcgcgg ccaacgacgg ggggcaacag 420
attgtctccg ggttcgcgac agtcacttac gaaggcgggg gaaaccagcc ggggcccatc 480
ccagcgtaa 489

<210> 17628
<211> 1245
<212> DNA
<213> A.fumigatus

<400> 17628
gtatatcgtc gccagaagca agttcagacg tgtatactca cgggacaggt caatcaaacc 60
gggacttatt ggtatcactc gcacgaaatg ggacagtatc ccgacggcct gcggggtccg 120
ttcatcgtgc gggatccctc gccgccattt gcctacgacg acgagtttac gctgactctg 180
accgaccatt accacgagca aatgtcggtt cttctgcagc agtacgaggc cgacagcgtc 240
ggcgcccagg caggcgtcaa tgaacccttg ccagcggcag ctctgatcaa cgagggcttt 300
gacaccacca ctctccgcgt ggagcccaac aagacatacc tcatccacct ggtttgcgtg 360
ggcaactggc caggccacgt tattgtcttc gatgaccacg agatcagtgt cgttgaggtg 420
gacggcacct gggtggacgc gtaccctgcg cgagacaaga agatccggct ggccaccggc 480
caacgcatga gcatcctgct caaaaccaag gacaacaccg acaggaacta tgccatctgg 540
gactcgatgg acgtcaacat gatgttcttc tatcagaatc gcgcgatccc cgaggggttc 600

aaccccaaca cgacggcatg gctggtctat gacgaagcaa aggaacttcc tcccgcacca 660
gacgtccacg aactcgaccc gaataacgac tttgtcgacg atctcgtctt cgtgccagcg 720
agccacgagc ccctcctcga gaaagtcgac cgtcagatca tcttcgacac cggtgtgact 780
caacgcgacg gccgcagcgt gtacaccatc aatgggcaga catacgtcga tccggaggaa 840
ccaacattgt acacagcgtt ggcggcgagc ccagaaaacg cttctaatgc gtcgatatac 900
ggtcaggtaa atcccttcgt cgtccaatac ggcgaggtcg tggagatcat catcaacaac 960
caccacggca acctgcaccc ctggcatatg cacggccatc agttccaggt tctgcagcgc 1020
acgatccccg agggcggcta cttcgatggc tactttgcaa atatctcttc gaccccggtg 1080
aaacgggata ccatcatggt gcagaaccat gggcacgcgg tgcttcgctt ccgcgccaat 1140
aacccagata agttaccctc tgccttggga gagatgcata ctgacctgtc ctacgagttt 1200
ggctcatcca ctgccatatc gaatggcacg tcaccaaggg gctga 1245

<210> 17629
<211> 447
<212> DNA
<213> A.fumigatus

<400> 17629
acagaaaaat accccgtggg ccgacggagt tgtcggtctc tcgcaatggg ccattcagcc 60
cggccaatcc tacacctacc aatggcgagc agatacttat gggacttatt ggtaagctgg 120
tttctcaaaa tgtatctcca agctaacgtc tcaggtacca tgctcatgac aaggctgaaa 180
ttatggacgg actttatgga ccggttcata tcaggtgaga tctccacaca aggcaagaca 240
agactcatac taacgacaga tagacctcgt ccaaacagag attccccctt ttcaatgatc 300
tccgacgatc cggccgatat tcgggccatg aagcaagccg agcgcaacgg caaacttgtc 360
atgctgtcag actgggatca tctgacaggc caagagtaca tgaaggcaat ggaggagacc 420
ggatacgata tcttgtgcgt caaataa 447

<210> 17630
<211> 801
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (208),(217),(334)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17630
aactgtacaa cggcgagcgg tactcggtca tggtcaagct ggaacaagaa ccagccaact 60
acaagatgcg cgcggccaac gacgggggcc aacagattgt ctccgggttc gcgacagtca 120
cttacgaagg cgggggaaac cagccggggc ccatcccagc gtaacattga ttacgggagc 180
cgtaacacca gcgccgatgt cattccantg aacacanacc atttgccccg taaccgggtt 240
atcagtcttg cttccgagcc ggacgacttc cacattctga tgctgggccg caccaattct 300
ttttgggagt ggtcgctgga cggagcggcc ttcntgccta gcaaccttgg tgcgttgccg 360
ccagccattc tgagtccgca agctcccgag tttgcggacg cgctcaagat cacgacccgc 420
aacgatacgt gggttgacat tgtcttccag ctggttgtca gcgaaacgac ccccatccag 480
cctcctcacc ctctgcacaa gcattccaac aagggcttcc tcctgggaac cggccacggc 540
aagttcaact ggacctcaat caaagaggcc aaggaggcga gcccggagag tttcttggag 600
acgcctgtct accgagatac atttaccacc tcgccgcaag gagagacgtg gacggccatc 660
cggtaccatg tcgagaatcc gggtccgttc ctgttgcact gccatatgac cactcatttg 720
cagtcgggaa tgggtctgat cctgatggac ggagtggatg tgtggcccga ggtgtatgca 780
gacatgatca ctcctatgtg a 801

<210> 17631
<211> 843
<212> DNA

<213> A.fumigatus

<400> 17631
ttggtttccc catcgaaagg ctgcccaaga ttactgcatt gggatgtcct ggccccttgc 60
attcctcgtc tacgcgccct tccttgcatc gtactagtcc gatctcagca ttttcaacac 120
atagctattg tttacatttc cgtgttcata gatgtccgaa taccttcaat agcttcggta 180
tatctcgatg gactcagccc agtctctcac acgaccgacc agcgacatcg cccgcagcac 240
accatgttcc attccagggc tctccttctc tcctggcttg tgggcttcac cgcggccaag 300
gatattcatc tcgattggaa catcacctgg gtctgggcag cgcccgatgg ctttggccgt 360
cccatgatcg ggatcaacaa cgagtggccc tgtcccattg tcaatgccga cctgggcgat 420
cggctcattg tcgatgtaca caatggcctg ggaaatcagt cgacgggaat tcactggcat 480
ggcttccatc aatacatgac tggaactatg gatggctcga accaggtaac gcagtgtgcg 540
ttgcctccgg gaagcagcat gcgctatgaa ttcgatgtaa gtatatcgtc gccagaagca 600
agttcagacg tgtatactca cgggacaggt caatcaaacc gggacttatt ggtatcactc 660
gcacgaaatg ggacagtatc ccgacggcct gcggggtccg ttcatcgtgc gggatccctc 720
gccgccattt gcctacgacg acgagtttac gctgactctg accgaccatt accacgagca 780
aatgtcggtt cttctgcagc agtacgaggc cgacagcgtc ggcgcccagg caggcgtcaa 840
tga 843

<210> 17632
<211> 546
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (527)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17632
cctgtcctac gagtttggct catccactgc catatcgaat ggcacgtcac caaggggctg 60
accggcactc tcatcgaagc cccggcgcag atgcataaaa tttccgtacc gttggatcat 120
cagcgaatct gtcccagcta cggcacacca ccgggtggta cgccctcgtc tcctccccac 180
gatgctcccc gtcctgatgg ggcatcaggc tcacctcagt atccccctaa gccgtggggt 240
gagccagatg catctgctcc tgagcaggat gattcacaac ctggcggtac accagattca 300
cctgaggatt ttccccagcc gtggggtgag ccagaggaat ctcctcagga gcctcctcaa 360
ccctggagtc catcgaacaa cgcccagcca ccggccaaca cgtacgcacc ggagtatccc 420
tctggctacg ttcctgttgc gcctggcccc gtgattatcg actcggagtt gcattcacgg 480
tggcaaggag tgtcttacac cgacgaagcg cgccaggaag ccgcgcntag atgccccccg 540
aaaagg 546

<210> 17633
<211> 1227
<212> DNA
<213> A.fumigatus

<400> 17633
cttatctggg ttattggcgc ggaagcgaag caccgcgtgc ccatggttct gcaccatgat 60
ggtatcccgt ttcaccgggg tcgaagagat atttgcaaag tagccatcga agtagccgcc 120
ctcggggatc gtgcgctgca gaacctggaa ctgatggccg tgcatatgcc aggggtgcag 180
gttgccgtgg tggttgttga tgatgatctc cacgacctcg ccgtattgga cgacgaaggg 240
atttacctga ccgtatatcg acgcattaga agcgttttct gggctcgccg ccaacgctgt 300
gtacaatgtt ggttcctccg gatcgacgta tgtctgccca ttgatggtgt acacgctgcg 360
gccgtcgcgt tgagtcacac cggtgtcgaa gatgatctga cggtcgactt tctcgaggag 420
gggctcgtgg ctcgctggca cgaagacgag atcgtcgaca aagtcgttat tcgggtcgag 480
ttcgtggacg tctggtgcgg gaggaagttc ctttgcttcg tcatagacca gccatgccgt 540

cgtgttgggg ttgaacccct cggggatcgc gcgattctga tagaagaaca tcatgttgac 600
gtccatcgag tcccagatgg catagttcct gtcggtgttg tccttggttt tgagcaggat 660
gctcatgcgt tggccggtgg ccagccggat cttcttgtct cgcgcagggt acgcgtccac 720
ccaggtgccg tccacctcaa cgacactgat ctcgtggtca tcgaagacaa taacgtggcc 780
tggccagttg cccacgcaaa ccaggtggat gaggtatgtc ttgttgggct ccacgcggag 840
agtggtggtg tcaaagccct cgttgatcag agctgccgct ggcaagggtt cattgacgcc 900
tgcctgggcg ccgacgctgt cggcctcgta ctgctgcaga agaaccgaca tttgctcgtg 960
gtaatggtcg gtcagagtca gcgtaaactc gtcgtcgtag gcaaatggcg gcgagggatc 1020
ccgcacgatg aacggacccc gcaggccgtc gggatactgt cccatttcgt gcgagtgata 1080
ccaataagtc ccggtttgat tgacctgtcc cgtgagtata cacgtctgaa cttgcttctg 1140
gcgacgatat acttacatcg aattcatagc gcatgctgct tcccggaggc aacgcacact 1200
gcgttacctg gttcgagcca tccatag 1227

<210> 17634
<211> 294
<212> DNA
<213> A.fumigatus

<400> 17634
gtttctgaac ccaacatgag cgaacccata gatagcgaca gtacctatgg cacctacgac 60
gcccaagcat cgaccaacta cggtgtccgg ggaaccagac agctcaacaa cagaaacaaa 120
aacacaccca tgagaaagga atactatgca tccggcatca atgacatcgg ctggtggtac 180
gactatgact acaaatcacc tggccttggt ctgggagact atacaacgtc cgccaccgaa 240
gcaccggttg agagatccac agctgaagct tctggggata ggagtgacaa atag 294

<210> 17635
<211> 1110
<212> DNA
<213> A.fumigatus

<400> 17635
acggattcat ttagtagact ggttctttgt ggatgttcat gcagtgacca atgttttcct 60
aatttcacac tcagatggtt gtggatgccc caggccgaca cccaagccca tcgcggtttg 120
cggcttactc aatctgaggc cagcgctatg acactagttc tcaatctcag caccggaggt 180
ttctgctttg acttacagag tataccctct tccgttctga taatacttta tttttataga 240
agatttagac ctcacattcc agtcaaaatg gacggaacag gacctacaga gcagtggctc 300
tcccagctca cagcaatgcg cgaggcgatt gcagcgttga agctcccaaa ggaccccgcc 360
accgaacagc tcagctacgg aagcgattta gatttggacc ttgacgatga atactcttca 420
ccagtgaccg tagacgatat ctgggatatt atcagctccg atgacgaaac caacgatgac 480
ctagacgaca tcaacggcgt acctctccct ccggcgccat caacctctct ctacgaccaa 540
gcatggctgg agcagagatg ccaggccatc accctccaga aacccggaat gagtgcgcaa 600
gagctagccc agcagatcac tgcttcgcta gctaccgaca gcggagatga cgagctgcag 660
atgtcgctgg ccgaaatcgt tgggttcgac gatctcgact tcgttattga attgatcgga 720
caccgagcgg agatccttgc gtctacgacc tcaaagacgg aagcccagac ggacggtctc 780
atgacgggaa agttacaaac gagggccgaa cgggaacagg cgttgcggca gcaggacttt 840
gagcataagc atgcgccgtt gttacctgcg caggcgagat ctgaacccag gtacccgcat 900
gtcttcaaga cgcacgattc cagaaatacg cttgcgctgg gtgggaagag atacgggctc 960
cctgtaggta gcaggcagat tgacgagcag cggtataccg agtttgagat cccggcatcg 1020
agggtcggca cgctggcgtc ttcgcagaag ttggttgaga ttaagtcact ggatgctctt 1080
ttcatcacgc cggaatcggc aagtacgctc 1110

<210> 17636
<211> 390
<212> DNA
<213> A.fumigatus

<400> 17636
tctttctcct gcattatagt tccagagcgc aattacgaca gatattatgc gatgagactt 60
tcctaccgtg tcgggttagc cgccctccta atcctcgcct tcgtcctgat caagcgccat 120
ctagattccc ttcaggatgg ttcgcacgta ccgtcctcct ggcagttcag caacgtggta 180
tggggcggcg ctgcggagcc tgtcgctact cccgccagca aacctgaaaa agaaaaacct 240
cagacaccgg ccccggcagt agagcaatct cttccaatca aacaaaccta cgagatcact 300
cctattatcg ttcccaatga ccgtgtgatc gtgatggcca gattgagccg ggaggatacg 360
tcatgggtga gcactgattt gaatgagtga 390

<210> 17637
<211> 687
<212> DNA
<213> A.fumigatus

<400> 17637
atgagtgagt tgtttatggg caaggccttg cgcggtgagc tcaggctgac tcaatccaga 60
tggcgcaatt tcatctacac cgttgatgac gtgaacgcgg ctcgacacac cccgaagaac 120
aaaggccgcg agagtcttgc ctaccttcaa tacattgtcg atcattacca tgatcttccg 180
tccacaatgg tcttcctcca cagccacaaa gacggctggg aggcgggttg gcacacggat 240
acgctggatt atagcaatgt ggaatcggtt cgaacactcc agaccgaata tgtccagaag 300
agcggcttcg tcaaccttcg ctgtcaggga aatcccggct gtcccgacga aatccgtccg 360
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tgggttctca cgaacaactt gccggacgag ctcactgcct ggatcatgga atattcctgg 600
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<210> 17638
<211> 372
<212> DNA
<213> A.fumigatus

<400> 17638
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gacggcgaag actataaatg cctcctttgc gataggtggt ttgaaaccga aaaggcactg 120
tatgatcatt gtcgatacac cagtcgccat gaatggtgcg aaacgtgcag gagggttctc 180
gtttctacga ctgcaaagaa tcagcatctg tttgactccc cagtccacag ccacatctgt 240
accctatgct cttctcgacc tcgatttgat accgctttgg aactaaaggc tcatcgcatc 300
gactatcaca atctgtgtgg catttgcggc aaatactttg acaacgagaa caacctgcga 360
atggcaagtt ga 372

<210> 17639
<211> 375
<212> DNA
<213> A.fumigatus

<400> 17639
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aggaatttgc aatgctacgg gtgccaccag tccttcaaga ctttctctgg catgttgatc 120
catctcgagt caggcagctg tccctccgga acagacattg atgatattaa ccgtctggct 180
cgtcagtgct accagagtcg caagtatatt gatacagccg gcgattacat ttgtcctgcc 240
tgtgataagt tctgctcaaa gctctctgca ttattccagc atgttgagga ctcccttggc 300
tgtttgtacc tcaaagaggg tggccagtgt ctagcaaagt tggagtatta tatttcttgg 360
aatgtgaggc gctag 375

<210> 17640
<211> 297
<212> DNA
<213> A.fumigatus

<400> 17640
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gcaggcgtac gttttgatcc cctcttttgc agatcggatg agtgtgaaac tgataacacc 180
gcagatgacc cctcaagaag gaccggccct ctactacatc gactcggacg gcacaagact 240
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<210> 17641
<211> 444
<212> DNA
<213> A.fumigatus

<400> 17641
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gaaggaccgg ccctctacta catcgactcg gacggcacaa gactctcagg aaacctgttc 180
tgcgttgggt ccggtcagac cttcgcttac ggtgtgcttg acgcagagta ccgctacgac 240
ttaagtgaag aggaggccct cgagcttggt cgtcggagca ttcttgccgc aatgcaccgt 300
gatgcttact caggtggttt catcaacttg taccatgtca aagaggaagg ctgggtccac 360
cacggtttcg acgatatgaa ccccattttc tggaaaacaa agctggaaaa gggcgagttc 420
tcgaacgtta cgtcggccct ttaa 444

<210> 17642
<211> 288
<212> DNA
<213> A.fumigatus

<400> 17642
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gctgggcgaa ggcgttcttg gcggcagccg cggcggaagc ggccaggcgg gccttactgg 180
agccggcgga tgagacggcg acctgggtgg agaggaagga gccgcagtcg cggcagatcc 240
aggcgcgctg ggagtcggag cagttcatca gacggtcctg aaggatga 288

<210> 17643
<211> 231
<212> DNA
<213> A.fumigatus

<400> 17643
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cctggtctat tgggtaccat ggctggtggt gctgcggtat gcattcttct gcgtactggt 180
ggcatggcga cactgacaga attgccctcc aggattgcca atactggctg a 231

<210> 17644
<211> 333
<212> DNA
<213> A.fumigatus

<400> 17644

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tgccttaact ccttcgacag cggtttagcc catctcttcc ctgcggtaac tggctaccaa 180
atataccaaa ccaccaagag gctgactttc agcctacccc cacttcccgc acttcgatcc 240
aagtctccag gaccttggat ctcgacttat atccacgtcc attcgtcatt tgccaccaat 300
ccagcaaaca ccctgttttc atcgtggtat taa 333

<210> 17645
<211> 1512
<212> DNA
<213> A.fumigatus

<400> 17645
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gttgtcggca agagaaattt ccccatggcg attgtccgta gttccttcgt tcgtcgtggc 180
catacctaca ccaaattcgg tatccaaata cgatcagtgc gccctgatca gacatcgcag 240
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gaaatattcg aaggcattgt cggcagcgct acatccaagg gtgtcaacaa tacatttgtg 420
acggaccgtg tggaactgct gctcagaaca tacaaagctt acaacctaca tacccgttcc 480
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<210> 17646
<211> 561
<212> DNA
<213> A.fumigatus

<400> 17646
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aacccccga aggaccacac cgcatttccc tcgttggcgg ctgctattcg gccccatctc 180
gactctttca acgcgctttt cgagggcagc aaagtcatcg aagcaggttt gaaagatatc 240
ggcatcaaga cgtttttgga tggtgatgct gagacccccg aggagaggag agcacggaaa 300
gcggagggac gacgaccccc gaaacgcaac aggcttaatg ttcgaatcag ggaaatcttt 360
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ccttcagaag ccagagagag acatgctacg taccgtggga agctgcgcgc gaggctcgag 480
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atgctgaggg taagtggttg a 561

<210> 17647
<211> 1935
<212> DNA
<213> A.fumigatus

<400> 17647
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tgggttgata attaa 1935

<210> 17648
<211> 276
<212> DNA
<213> A.fumigatus

<400> 17648
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acccgcaaca gcgacgattt ccccgcattc tgcagtccga tcatcgtgac atccatctcc 120
gtcgccctat attcgcaaca tacatttacc cctcttagca agccggagca ttcaatgtct 180
ttgcgggggg ccgagccggg agagctatgg ccgacagggc gaatacgttt gaaaccacgg 240
cccacttacc aaaacatcct caggagccag tcatag 276

<210> 17649
<211> 336
<212> DNA

<213> A.fumigatus

<400> 17649
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aggtcgccgt ctcatccgcc ggctccagta aggcccgcct ggccgcttcc gccgcggctg 120
ccgccaagaa cgccttcgcc cagcagagcg gtgcgccggg cattgtgcgc tgccgacgct 180
gtgcccgcga ggctgtcttc gaggactccc gtgccgtggt gtgggaggac ggagacggcc 240
gtcgctacgt gggcggtgac aatgtcacca tcgtcgctgt tccgggtgtc ctgcgctacc 300
ttgatgtcga actcgccgcg atgggtatca gaatga 336

<210> 17650
<211> 390
<212> DNA
<213> A.fumigatus

<400> 17650
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ggcaacggta ttcagaaagc attttacgat gaccccaatg ttctctacat ctcccttcat 180
gtttatcaag acggaaagtt ttatcccgga ggggacgagg gcgactggga ccactgcggg 240
gccgacgctg gtattggaaa gtatgcatat ccggagatct gcagaagcga gctctgtgcg 300
ctgattcccc gtctaggaat gtcaacatcc cctggcctag ccaaggtatg ggcgatggcg 360
actacatgta tgctttccag caggttgtga 390

<210> 17651
<211> 237
<212> DNA
<213> A.fumigatus

<400> 17651
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ggagatccac ctgaccgcct acactcgaca cttccttcag atctggcaac ttctactgtg 120
aggcgtgtca tgatgatcca gtctcgctat tggcgctgta tgtacccgaa agtgccgcag 180
gagcagggtc tttggactga taggttgcac ggtaaggcaa accagtatca gatctag 237

<210> 17652
<211> 255
<212> DNA
<213> A.fumigatus

<400> 17652
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gacgatgttg tctccagcga cctgaacggt gatgaacgct cctccatctt cgatgccaag 120
gctggtatct ccctcaaccc caacttcgtc aagctcgtcg cctggtacga caacgagtgg 180
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tctgccgtgt actga 255

<210> 17653
<211> 747
<212> DNA
<213> A.fumigatus

<400> 17653
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cgcaatgcca ctgaggctga aatctctctc attcacaccc cggatcattt tgcctttgtt 660
gaaagtacaa aaggtaaaag ggaatgcaat gggcctaggt ttctcccgac atcaagttct 720
aaccattatc acagacatgt ccgatga 747

<210> 17654
<211> 219
<212> DNA
<213> A.fumigatus

<400> 17654
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ccctcttgct acgctcatat gacacatatg cttatgactc tcgctcatgg caaagttgct 120
gtgtgtcttg aggtcagtac tacagtctat ctcaatttga ttaacgctga acaaattagg 180
gtggttacaa ttttagatca atttctaagt ctgccctag 219

<210> 17655
<211> 696
<212> DNA
<213> A.fumigatus

<400> 17655
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<210> 17656
<211> 654
<212> DNA
<213> A.fumigatus

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acaaggagct atgccgagca gggctcgttg atgaccccga atcttcaaga ccgcttgtcg 180
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ttttgtctgt tcaacaatgt ttccattgcg gcgcgtgtct gtcagaataa actcggagaa 600
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<210> 17657
<211> 285
<212> DNA
<213> A.fumigatus

<400> 17657
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<210> 17658
<211> 255
<212> DNA
<213> A.fumigatus

<400> 17658
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aaggctgatt gcatgaagaa ctatatcgga tgggccgtcg ggaaaggcta cgctgtcatt 180
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gatgttcctc gctga 255

<210> 17659
<211> 309
<212> DNA
<213> A.fumigatus

<400> 17659
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cccaaggccg gactcagtga gatgctgatg catcataaag acgaggtttt caagtggatc 180
gaggaaagag ctgatgaggc tgaaagtgag gaggaggagg aggaggagga gaccaagagc 240
aagagtaaaa gcaagagccg gtcaccgacc aaggagaagc cagttgatct tcctcctggg 300
cctggatga 309

<210> 17660
<211> 300
<212> DNA
<213> A.fumigatus

<400> 17660
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gtcggctatg ccgtcttgac cacctattgc gacgctccat ttctacctct ggttctttcg 120
gcggctccgt ccggccctaa ccataccatc ccagccgggg ccagttcctc ctccggaggc 180
cctggccccc tctatccccg cgtttccggc ggtctctgtg ctctactatt acccgtctcc 240
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<210> 17661
<211> 741
<212> DNA
<213> A.fumigatus

<400> 17661
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gacgttggag gtaggaacac gcatggccat accggtgagc ttgccgttga gagaaggaat 180
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gtaggtggtg ttgttgacac ccatgacgaa catgggggca tcagcagaag gagcggagat 480
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accagtagac tcgacgatgt aggcagcgcc ggtctcagac caggggatct gagagggatc 600
cttctcagca tagaagcgaa tcttcttgcc gttgacaatc agaccctggt cgtaggtctc 660
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cgtgttctgt cagtctctta g 741

<210> 17662
<211> 222
<212> DNA
<213> A.fumigatus

<400> 17662
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gcagcaccag tcgagctggg aatgatgttc tgggcagcag tacgaccacc tctccagtcc 180
ttgttggagg gagcatcgac gaccttctgg gtggcggtgt ag 222

<210> 17663
<211> 336
<212> DNA
<213> A.fumigatus

<400> 17663
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gcaggcgtcc tctgcgctat cccatacggt ttcttggcag atcgatacgg acgcagacaa 180
gccattcgtc ttaccattcc tggatttctc ctgaatgcaa tcatcactaa ttctgtactg 240
tggttctctg atatcttccc tccccgggct atctggcttg cagcgctgag ctggactatt 300
gggggaggac caattgtcgc aatggcactg ctatgg 336

<210> 17664
<211> 1194
<212> DNA
<213> A.fumigatus

<400> 17664
tgctatcttt ttcccactca gaagtccgtc cttgtgattg acactcacac catggacaag 60
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acccaggatg gcttcaccgc gatcacagtg ctggatagac acatgccgcc cgtccccgac 180
gggtccagca acgatatttc ccgcgtgatc agattcgact acggggatcc tgtctacgca 240
cagctaggca aggaagcgta cgagctgtgg aacaccagcc ccgagtatgc ggattcgttc 300
caccgcacgc cgtgcgtctg gacggcgcag cggactggtc cggctggtct tgttcaagcc 360
gggggctcgg actttatccg gaagacgaag gagatcctga caaggatggg ggccgagtgg 420
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gcgatggcgg gcctacgcga tcggtgtatt gctgctgggg tatcgtttgt gacgggtcct 600

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agcctgatcc cctcatggaa ttcaatggtg gcgacagcgc agattgtggg ctttgtgcgg 780
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<210> 17665
<211> 453
<212> DNA
<213> A.fumigatus

<400> 17665
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cctgatctca ttgccaatat gcagctctct tgccttctgg ccctccttgg agcttcaagg 180
attgcctggg ccgcccctgt cgcaaacaat aatcaagtcg agtcagcctc cggcgatctt 240
gaagaacgct tcttctacac caattacgac cttgaaaagc gtgacgaaga gctcgacaag 300
cggttcttct acaccaatta cgaccttgac aagcgtgacg aagagctcga caagcggttc 360
ttctacacca attacgacct tgacaagcgt gacgaagagc tcgacaagcg gttcttctac 420
actcattacg accttgagaa gcgtgatgag tga 453

<210> 17666
<211> 546
<212> DNA
<213> A.fumigatus

<400> 17666
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agagccttcc gtgaacgaca aatctgtatc ttcaatcctt ccgcaccccg acgcaccccc 120
acgcccgccc ccacgcccac atactcccat gctgccccac accatcccgc gatctgcccc 180
ccccgccccc ccgccccccg ccccccccca ccccccccca gccccccccc cacacccgac 240
tcaccctcat ggcccctacg gaccgcctcc ccgccccccc gccccccccc ccgccccccc 300
cccgcccccc tactcccccc acgtctgccc ccctactcat cacacctaac taatgccctg 360
cgccgtgatg cgcatgcata tcgcccagac cttcctgcat atgatgctga cccagcttct 420
cacccaactc cgtctcttgc tttttccacg gcgcaggcca tacaaaagcg tcttttggaa 480
cgggcattcg gtcaaatttg tccggatcaa cagcattgct gtgttgccag tcgagcagcg 540
cattga 546

<210> 17667
<211> 288
<212> DNA
<213> A.fumigatus

<400> 17667
ccctctaggg tgctgtttct attcatttta tgtttctttt acttcatggt cggttctgat 60
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tcagtcgctc aatcccatgg atgcgagttt tgccgacgcg gctttctgtt tcgacatgtc 180
ctgcgtttta accagagact gtctttatat caggttgaat tcaactctgt cgctctctac 240
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<210> 17668

<211> 1581
<212> DNA
<213> A.fumigatus

<400> 17668
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tccgcgaccc cggctccgga tggacgaccg gattctcagt gggatattca tgacgatcag 120
ttaaaatcga ttcaacagca agcgacatcg tcagggaccg tatcatcggt gtcggcgcat 180
aatgacccct cagcaacaca tgaggctcca cgtcagggcg atgagttagg taagaggaag 240
gagattcctc aagatgaagc tccaacttct acgtttgagt cgccaaacat aacatcggag 300
aaagtcgctc cagcttgctc aaaatctaca tccgaacccc aggggacgtt gtcagcgcgt 360
gtgaaaggat tgtcggtctc gacgaaaata acagaaaccg gctcgttaga agacagcgat 420
gtgccgccgc ctcccccaga aaaagatgaa tcttatctta gtacgaaatc ccagcttgca 480
ccgccgctgc agaaatcagt gaatgcgact tctgaattga gcgagaaaga gctaccggat 540
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gatgactctg aatccgagat tcagagcatc atgggtcagt ttcaggaccc tgaacgcagg 660
ggcagccagg agcagttgat gtctcctcgt ttggagctgg ctgagcaatt ccttggaggc 720
cagggtcact tcccgccgcg tcattcaagt ctttcaaagt cagcagaggg tggcactcag 780
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gttatcttcg gtgagcagta g 1581

<210> 17669
<211> 312
<212> DNA
<213> A.fumigatus

<400> 17669
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acatcagcgg attcatttgt acctctttta atctacgtcg tgctacaagc tcgccctgat 120
catctggttt ccaatatcca gtacattctt cgcttccgaa atcaagataa gttaggagga 180
gaggcggggt actacctatc ttcattggta tgtcaatcaa cattatttgc tgataatgca 240
tgcaacgtga ctgattccat aaacagtccg gtgctatcca atttatcgag accctggatc 300
ggaccagcct ga 312

<210> 17670
<211> 204
<212> DNA
<213> A.fumigatus

<400> 17670
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gttattttcg tcgagaccga caatcctttc acacgcgctg acaacgtccc ctggggttcg 120
gatgtagatt ttgagcaagc tggagcgact ttctccgatg ttatgtttgg cgactcaaac 180
gtagaagttg gagcttcatc ttga 204

<210> 17671
<211> 876
<212> DNA
<213> A.fumigatus

<400> 17671
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caagttcata caagaaaaca ggaattgtat gtgagtcgta cggaccagtc aggggtcact 180
gctactctca cattcatctc cacggtgctt tcattgagag gagatcatgt ccatgctcaa 240
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gctggcgaac cgatccaaga caatgatact gagtccattt ttcagtcgtt actgcgtgct 360
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ataagtaaca tttcaggtcc cttttccttt gttttctatg atgcagtgaa ctcaaggcta 480
tatttcagta gggactgcct tggacgacgg tccttgttgc ggggtctaga tgactctgga 540
aatctgagaa tttgcagtgt ctgcgatagt tcatcctcgt cacattttga ggaagttgac 600
acaaatggag tgcattgtat cgactttgaa caagtcgtac tgcagaatgc tcttgcatca 660
ggtgccgtca aattcaatcc tgacgccatc caaactcttc gctgggagcc caaagatgca 720
aatgcctgct gcctggtata cacgctttct cctcctcgat taacgcaatc gctgacagga 780
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attgacagtc gactcttgcg ccgtccaaga gcttga 876

<210> 17672
<211> 1065
<212> DNA
<213> A.fumigatus

<400> 17672
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ccgtcattga cagtcgactc ttgcgccgtc caagagcttg agcggaggct tcgtcaatcg 120
ttacacttga gaattcagaa ggtgcccgaa ccaccatcca ttaccacaag tgatgtgaaa 180
gtcgccgttc tgttctctgg tggccttgat tgtactctac ttgccagagt gtcccatgac 240
atacttccca aaaatgagtc aattgatctt ctcaacgttg ctttcgagaa cccgcgagtc 300
gctgccgcag ctgccggcaa ggaaggcgcc acattgtcag tctacgaaag ctgtccggat 360
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cgcttcgtcg cgatagatat accttacact gagactgtcg cacaccgtga tatggtgaaa 480
cgcttgatga ggcctcacaa tacagagatg gacctctcta tcgcgtgcgc gttgtacttt 540
gcttctcgcg cgcgaggaat ggccgtaaat agtcaagatt cctcgtccga accgactcag 600
tacaccagcc cagcgagagt acttctctcc ggcttgggag cagatgaact gttcgcaggc 660
tatgctcgac acggagtagc gttcgcccgc gatggtttca gaggtctcat tgacgagatt 720
catctggacg tcagtcgtct cggcaagcgg aatctcggtc gcgatgatcg gatcctttca 780
aactggggcc gcgaggcgcg atgcccgttc ttagatgaag acttcgtctc ttacgtgctc 840
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gtggattata ccggcatcga cccagagaag agagcgctgc gcctcctggc catcaagctg 960
ggcatgacta ctgtcgctcg ggagaagaaa cgagcaatcc agttcggctc gaggacagcg 1020
aagatggaaa agggtagaac caaaggaacc gatgcactga gctga 1065

<210> 17673
<211> 195
<212> DNA
<213> A.fumigatus

<400> 17673
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atgtcctccg gcgaaataag tcatgaaacc gcctgtgctg attgtgtcca acgacagact 120

gtcctgacta actattacac gcaactagca tttgctacgg ctacgcagaa ccaacacatg 180
caaaattctc agtag 195

<210> 17674
<211> 744
<212> DNA
<213> A.fumigatus

<400> 17674
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gctgcaattg atccccgcat tgtcgacgtc gcagagccta gaaaggagac ccttcctctc 180
cctcccaacg ctcgggaaag gctcgaaaag gccggcatcg atctctcagc ggggtatcca 240
taccggcctg cacggccact ctacgtggat gatgtctaca acatccggaa ctatgatcgc 300
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ttcttccgag accaggacat ctccccacag cagcagaagg agctgggcga atggtttggt 540
gaggtcgagg tccatgtacg tcgttgcatc atctctgcca aattgctagg acactggact 600
aattcttgtt cagccgcaag taccacaggt gcctggagtc cccggtgtaa ctgtattgtg 660
gccggcactg caggcagcag aaaccccggc tgcgttccgc cggccgggag gcgcttcccg 720
ctggcataca gatcttgtac atga 744

<210> 17675
<211> 570
<212> DNA
<213> A.fumigatus

<400> 17675
gacactggac taattcttgt tcagccgcaa gtaccacagg tgcctggagt ccccggtgta 60
actgtattgt ggccggcact gcaggcagca gaaaccccgg ctgcgttccg ccggccggga 120
ggcgcttccc gctggcatac agatcttgta catgagcgac agccagcggg tgtcacccat 180
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cgagccatga cagttcggat tgtaggcctg gacaaagcac agaatgatgt catccttgga 480
tatctgtgcg atgtctatga gaagaacatt gacattcaag ttcgcttcaa gtggacacca 540
aagacaagcg ctttgtggga taacaggtaa 570

<210> 17676
<211> 201
<212> DNA
<213> A.fumigatus

<400> 17676
agatgcactc tctgtttgtg cggctacctc gatagatgtg tctccaaatt ttctgacttt 60
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gacgctaccg ttcccgttgc acctcatggt acgagggtga tctatgagtt ttcgatagat 180
taccagtcgg caggaaattg a 201

<210> 17677
<211> 882
<212> DNA
<213> A.fumigatus

<400> 17677
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tcttcctgca gcccctcatc ggcaggccga ttgaccccgg tatcctccgt agatgactcg 180
ctcgaccacc aggtcgaacg aagctccctg acgcccaaca cccagtctct ctttcagaat 240
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ggcccgagag aatctgggtt gacccctcac tcccatcaca cgacctacag ggacctctac 360
aatgccactc ctagtccagg aggtgcttct ttcacagaac cgagccaaca acggcagcca 420
ccgacgccat catctccact ggctgcagtg ggcagctctc gttctcagaa cctgcatcca 480
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gaggactccc tgcagaacaa taacagggag agcaacaaca ataacgagga tttcctctac 600
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ttcgcgtatc ctgcgacgcg gacggttgga ttcatcggtg actcgggaat gggtaagctt 840
tgcctagcgt ccaggggggcg cgaaggagac gaacggggct aa 882

<210> 17678
<211> 300
<212> DNA
<213> A.fumigatus

<400> 17678
cagctggtgg ttgtgggaga ccagagcacc ggcaagagct cggtgctcca ggccataacc 60
gaggtatcct ttccggtcaa ggacaccatg tgcactcgtt ttccaatcca gatctccttc 120
agacagacgt ccgtttcaaa tcaataccca gtcaaggcca ctattgttcc ggggcgactg 180
tccgagaatg acgaggcgct tgtgcttcgc gcacaagact ttatcatcga aagggaagag 240
ctgacttcgg aagtgatgga agagatcatc gagcaggtat gtgagattga agaaatataa 300

<210> 17679
<211> 222
<212> DNA
<213> A.fumigatus

<400> 17679
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gataacggca tattcacgaa tggtgttgac agcctattca agcataacct gcagccgtgc 120
aaacgccatc agagtagata tcaccagcct ttgcgtaggt atccaagtcc attctatgtg 180
tctatgctga ctgaaacaga ctcggtacag tggatttcat ga 222

<210> 17680
<211> 1353
<212> DNA
<213> A.fumigatus

<400> 17680
atggtcaagc tcctgcagaa tgatttgcct actgtccctc atctcgacca cggctggttc 60
ggattgcgga atagaatccc cgccgaagcc cacatcacag acgccgaacg cgacgaacga 120
gagataaagg agttcgccca gccggcttgg gagggagtgg ggaaagacag gacaggcata 180
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agctcgatga atccggaaga gtgggaagac aaggtcatga acgcccccgg tatatattcc 600

gagatataca aggaagccaa gatcagcgag gggcgcagcc tccccgggag cattcacccc 660
gatgtggagg agaggatgtt ccgcaagctg accacccatt gggagaggat cgctcgaagc 720
tttgtggaag acgtgaagga cctcgtaaag gactgccacg atgtccttgc gaggatagcc 780
atacccaata gcaaagtgcg gcttgaagtg agtcgcgttg ttgcgaagac gctggaagag 840
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gtcgcgatgc aagttgtcga gcggcatgtg ctgggaccga aatgccccat gctcactgtc 1200
tctgtcaaga cctttgcaaa cttgaatgac gaggaactga atagcgtggc cggggaagac 1260
gaaacagata ttcgtattcg cgccaggctg gaaaggcagc ggtctcgata tgtgcaggcg 1320
ttggaaaagt gggagagatt gagagcactt tag 1353

<210> 17681
<211> 189
<212> DNA
<213> A.fumigatus

<400> 17681
tatttaaaat atatgttatg tacctatcag ggttatttat ataaaaagga tttttatact 60
aaaaaggagt gggatttact taaaagagct gaaaagaaga ttgcttctaa actttctata 120
actaataata aattagaact tttatacccct gagcttcgac agctgcaaga gtatttagag 180
aagatttag 189

<210> 17682
<211> 924
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (10),(52)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17682
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ccgcggctca aagctggcga gcaacttctc tatgcgatgt tgaggaacat ccgcatctgc 120
gaaacagaag gacttagttc cgagttgcat ctcaaccaag acggaaagga tatcatggtg 180
gaaatcagcc agagtgagct ccatttccac gaatgtgaat cagggcttac aatctacgta 240
ccgcgtgacg aacaagcgca gtatctgtgc tttttggaca ggattcccca agctctgatg 300
gaatggatta tgactgagcc atcgaccggt atctgcgagc catccaccga taaggctcta 360
gacgttctat caaaggtgct acaggcagag ccaaagtaca cgagcatgac ccttgaccga 420
gctggtatta tgtcggtcga gacgccagaa gaaatggcag ctggccaggt cgccgaaaat 480
accgaggatg agcttactga acggcatacc gaaggacatg actcgatcga cgatgctccc 540
tcgaccgggg cctttattag atcggctcgc agcgaatcat ctgtcaccct aactgacgaa 600
ttcgcctctg gcccctatgc cagaccctcc agtccttcac gaggattgag ctggacacca 660
cttactccac gtggtgtgcc tagtgacgca agctacttat cccggggatc tgctcaacca 720
attgacgtgg cctatgctgc cattcttcgc cgtgttgtta ctgccgctag aacaactaca 780
ttcccaagta aaggggcttt taacatgaca gccttaagcg actctctagg ccctggcaac 840
gaacccttcc agctgcgcgc catcgataag ctttcccgag ataagctcat cggcgcagcg 900
ggagaactat tcgtaagtag ctga 924

<210> 17683
<211> 315
<212> DNA

<213> A.fumigatus

<400> 17683
gtcttcgaaa cactgtgttg tctcaccccg tcccttcctc atttcggccg tgataactgg 60
caaagcacca ttcggaacca tgtcaaactc cacgacgatt acaccgacct tgagccttgg 120
aatggtcgag agacggctga catcacctac tccgacaggc aagggattct cactgcctta 180
ctcattaata aggggtattt agatgccaca tgggccggag cgagaccgga ttattttcta 240
gaagtcaaga ctacgacgtc ctcttgggag accccgttct acatgagcaa gtatcaatat 300
gaaagggtgt gttag 315

<210> 17684
<211> 276
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (240),(251)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17684
atgcgaatca acgatactgc agaagaagaa gaggacaagg ggaaagtttt gaccccattg 60
atgaaaatgg tggcctattc ttggggcggt gacgagggtc tgccgtggct ccggaaatac 120
ggtgaggtgc agcgctcgtc tgtcgacaac agtgtctatc tgaacaatcc ttgcgaagag 180
gacccgatat tccttggcac gggccactta acaattattg accggtccaa taacctaagn 240
caggggggcac natgcaagct gcttgcccca caataa 276

<210> 17685
<211> 489
<212> DNA
<213> A.fumigatus

<400> 17685
gtattgcagg tatacgtcca tccgactcct tcctccaagg acaatatccc tggctttatc 60
gctctgctcc aacaaaaacc agctcctact ccgagcagcg atattgcatc aacaaatagc 120
gctaagacca ccgccgacct ctcttcatac ctccttgcct gggtccctga gtcctccctc 180
ggcgacgcct acagtaccta tgtcaaagtc gatttgtctg gtgactcttc acccccgaaa 240
caacgatatc tggtaccacc gctcccgact acaactacat ataaagatcc tataggttta 300
tatgctttcg cggtaccgct atccgaaatt tattcgctgc tagtgcgacc tcctagcttg 360
ggttggtggt ttggtagcct ggtgatcaac acccgggctg gtgatagttt cccggcgctg 420
ttcttccatg atagtgaatg cgaatcaacg atactgcaga agaagaagag gacaagggga 480
aagttttga 489

<210> 17686
<211> 717
<212> DNA
<213> A.fumigatus

<400> 17686
ctcacagttt tacaacgagt ccagtctctt catgcagccc atcaggtaac gaatggagtt 60
gaccttcctt ggggtcatca aagttgttgt cctttaaatg cttcaacggc tcccccacgc 120
tgtggggttg accacagaag aaatagctgg agaattacca tggaggctct gaccccgcct 180
acactaacac ttgtaacact gttgactgcc ttcttcttcc tatatcgagc ctggctccgt 240
gcggtatacc cgaagacgcc cctcatagga cgatctgagt tattccttca cgtcccagaa 300
gccgacaaca cgcaagctgt ctccaaggaa tcggattttc ctgagaactg gctgaatagc 360
aatgatatct ttgaactcga acggcgcgcg gtgttcagca aggtaagccc gaacagacat 420

gctcagggtt cgaaattcac acctcctaac ccttgtggat cacagtcatg gctgtatctt 480
tctcaccgca gccagttcac gaaacctggc gattatcagt ccttcgaagt ggccggcttt 540
cccatcttcc tcatcctggg caaagatggt gaaattagaa ctttccacaa tgtttgtcgg 600
catagagcgt acacggtagc cgaattaaga gcgaggaagt tctaccggtc tcggatgtcg 660
ctaccatggc tggagctaca acacgaaagg cgagcttatc aaagcccctc attttga 717

<210> 17687
<211> 456
<212> DNA
<213> A.fumigatus

<400> 17687
cggggaccaa atagggtcga tggttatcag gaatgcctac attgtcaata tacacatccc 60
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cagcatatcg ctgatcccaa gaaaccggac gacggactgt ttctgtattt cttccctatc 180
tgcactctca atgtttatgg cggaggcatg tcctcgttcc gtgtctgtcc ggctgaggat 240
ccaagccaga caaggatgga atttgactat taccacagcg agtcggggaa taaatttgag 300
gagtattacc aattcgttcg acaggtcgcg atggaggact atgagctttg cgagaaaacg 360
caaggtaatt tggagaaggg agtatacacc gaaggcatcc tgaatccaca gaaagagaac 420
ggagtctcat gtgagtataa tattgatgcc cgctaa 456

<210> 17688
<211> 321
<212> DNA
<213> A.fumigatus

<400> 17688
gagcgaggaa gttctaccgg tctcggatgt cgctaccatg gctggagcta caacacgaaa 60
ggcgagctta tcaaagcccc tcattttgaa caaatacttg gtttcgataa atcacagaat 120
ggtttgtttg ctattcatgt tcagcagagc accgacggct tcatcttcgt aaatctcgaa 180
gccgatgcgc caggggagct gctggagacc gaccgtctgg tggacttcgt gaaatgtaat 240
gggcctatac ctcagtcacg gtggattggg ggcagggcta tcgaaggcgt gttcaattgg 300
aaaatggcta gtaagttctg a 321

<210> 17689
<211> 282
<212> DNA
<213> A.fumigatus

<400> 17689
acgcaagggg ctaattttaa caggaaattc gagcattcga gtacgttcgg gctcgttgcc 60
tcgggttcgt cgaatgcgat ttggacccga gacgatgatc tcactggtac tgtgcgtcgc 120
acaggtgctg gaagggccat tgtcggtgcc ggtgaggagg ttctctgctg ggatgtcaaa 180
aaaggcgact tacttggacg gtggcgtgac acatcctgca aggcgcaggt gactgtgatc 240
actcagagta aggccgatga ggacgttttc gctgtcgggt ag 282

<210> 17690
<211> 2745
<212> DNA
<213> A.fumigatus

<400> 17690
ggacgttttc gctgtcgggt aggtcttcct cccttatcag agatgggaca attaccttct 60
tggtgcttac atccagaatt ggttttattt aggtacgatg atggaagtat tcgtatctgg 120
gactcgagaa cagagacagt gatcatttcg ttcaacggcc acaaatcggc cgtcactcag 180
ctcgccttcg atgctgccgg tgtgcgcgtc gctagcggct cgaaggacac agatatcatc 240

gtgtgggact tgctagcgga agttggactt ttcaagctgc gtggacacac cgaccaagtc 300
acttcgctcc attttctcaa cctgtcttcc gaattgctac acgccgctgg actgagcgaa 360
cacgcgggat ttctgctcac taccggcaag gactccttaa tcaagatctg ggatctgtct 420
acgcagcact gtatcgagac acatgtggcc caatcgaacg gcgagtgctg gagcttgggc 480
ctctcccccg accaaagcgg ctgcatcact gcaggaaacg atggagaact caaggtttgg 540
tcgattgatg aaagcgctat gctcgagatc tcgcgagaga aagttggttc tgaagggcgc 600
aaaattctga cagacagagg gacgttttat cggaacggca aggatcgaac gattggtatc 660
agctttcacc cgcgtgctga ctatatcggg ttccacggct cggagaaggc aatagaaatt 720
tggcgcattc gttcagcgac ggaggtacag aagagcttgg ccaggaagcg taagagaaga 780
aaggagaaag aagcccagcg ggaaggggcg gtggcagaag ttgataatga gaaggtcgac 840
gatgtttcgt ctgcgccggt cactgaagtc tttgttcctc acgtcattgt tcgcactggc 900
ggcaaggtcc gttccttcga ctggattcga acaaaaacta cgggcaacct ccagcttctg 960
gcttcgacta cgaacaacca gctggaatcg tacagcgtca ccactgcgaa taaaaagaag 1020
gatgatgatg gctccgacta caatcgcaac ctggctgttg acatcccggg tcaccgtacc 1080
gacatcagat ctattgccct gagttccgac gaccgaatgc tggcttctgc ctccaacggc 1140
agcttgaaga tttggaacgt tcgtacgcag agctgtctgc gtacattgga atgcggctat 1200
tccctgtgct ctgcctttct ccctggtgac aagatcgttg tagtcggtaa taagaacggc 1260
gaactggaag tttttgacat tgcatcctcg actctgctgg atacgatcaa ggcgcacgat 1320
ggaccagtct ggtctctgca cgtccatccc gatggcaaat cgatggtcag tggtagtgct 1380
gacaagtccg cgaagttctg gaacttccag gttgtccagg aagaaatacc cggcaccaaa 1440
cgaactacac cacgcctcaa actggtacat acaagaaccc tcaaagttgc ggatgacatt 1500
ctcagtctcc gcttctcacc tgacgctcgg ttgcttgcag tcgccctctt agacaacacc 1560
gtcaaggtct tcttcaccga ctctctaaag ctcttcctca atctttacgg ccacaagctt 1620
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gaggacagta tcatggctgt cgctttcgtt ccaaccaaca aggagggcaa cggccacaac 1800
ttcttcagcg cgagcaagga ccgtgtcatc aagtactggg atggtgacaa atttgagcac 1860
atccagaaac tccaaggcca tcacggtgaa atttgggctc tgactgtcag ccattccggc 1920
gaattcatcg tcagcgctag ccatgacaag agcattcgta tttggcaaca gacagatgaa 1980
cagctcttcc tggaagaaga gcgcgagaaa gagctcgaag agatgtacga taacactctg 2040
acagcgtctc tagagcagga cgaggatgca gacggcgaga aggccgaggc agtcgatgct 2100
gggaagcaga ccactgaaac gctcatggcc ggtgaaaaga tcatggaagc tctagatttg 2160
ggcatggcag acctcgaggt gatgcggcaa tggcgcgccg tcaaagccag ccagccaaac 2220
gcggcgccac cggctcgcaa ccctctctac atggcactgg gtaacatctc agccgagcaa 2280
catgtgctta gtgtggtcca gaaggtccct gctgctgcat tgcaggatgc tttgctcgtt 2340
ctgccgttct ccaaagtccc tgcgcttttc actttcctca atatatgggc caaccggggc 2400
tggaatatcc ctctcacgtg ccgtgttctg ttcttcatgc tgaagacgca ccatcgtcag 2460
attattgcca gtaagatgat gcgacctatg ctggatagta tccggtcaac tctgcgtcga 2520
gtccttaccc gtcaaaagga cgagatgggg gtcaaccttt tttgccttgc agaacttagg 2580
ccaacaaggg gcgggaaggc agcccccagg actacgtcga tgaggaaacg tgggaaccag 2640
gaacccccac aggtggcggg taccggccag aaaccgggca tttggcccaa atggcttctt 2700
agggcttggt cttaccagca tgatttttt ttttcggggg cataa 2745

<210> 17691
<211> 771
<212> DNA
<213> A.fumigatus

<400> 17691
ctaattggct tttctgctgg ttgcaataga ggtgcgcctg tttcaattga ccaagttgtc 60
tccgactttg acggagtgac gttccacctg tcgacaccgg aatcgaagac caagatcctt 120
atctccatcc acgtgaaatg cttcaaagaa ctagttcaat acggtgccca agaggtattg 180
gaaagagaat atggtcctta tatcgtcaca ccagagcctg gctatgactt ctcggtacag 240
attgacttgg agaatctgcc cgcagaacag gaagctcgag acgagctcat catgcgactt 300
gcgttgctga agcgtaacgc catggctgct ccgttcgaaa gggcattcga cgaatttgcg 360
aagttgtcag aagaggcatc caggtatacg tcggagtccg caccccaagg agtcaaggaa 420

ggtggggagt tgatggcaat tcattaccgg gaagaggaag caatctacat caaggccagt 480
catgaccgtg tcacagtgat ctttagcact gttttccgcg aagagacgga tcgtatcttt 540
ggcaaggtct tcttacagga gtttgtcgac gcgagaagac gagtggtgac gttgcagaat 600
gcgccgcaag tgctcttccg cagcgaccct cccctggaac ttcagggggt acctggtctg 660
cagacagctg gggacggtaa aatgagttat gtcactttcg gtaagcaaac ctcgttgcat 720
atgctgcgag ccttgattga cagctcacag tccttttccc tcgacacctg a 771

<210> 17692
<211> 198
<212> DNA
<213> A.fumigatus

<400> 17692
ggaacaaaga cttcagtgac cggcgcagac gaaacatcgt cgaccttctc attatcaact 60
tctgccaccg ccccttcccg ctgggcttct ttctcctttc ttctcttacg cttcctggcc 120
aagctcttct gtacctccgt cgctgaacga atgcgccaaa tttctattgc cttctccgag 180
ccgtggaacc cgatatag 198

<210> 17693
<211> 654
<212> DNA
<213> A.fumigatus

<400> 17693
caactctctt ttactctcag gcgcataact gtcagcgtta ttcgaccgga ccaggccgac 60
tctgacatca tttcccttga agtcggcggg gatatgacgg tcgagcttct caaagctatc 120
gttgagagcg aaacttccat acccacaaat aatcagcgcc ttgtatataa taatcaacta 180
cttggaaatg atgcgcagac tttggaacag attggtattg gggaaggcga catgctaggc 240
gttcatgtta caatgcggag ccctcaggca cctgctcgca gcatcggagg aggccccagt 300
gcagcggctc agcaaaacct tcagcggcgg caaccgatga cccccgaccc cgagacaatc 360
cggctacata tcctgggtga ccctcgcgtg cgagaggctg tccgacggca gaaccccgag 420
ctggcagatg ctgccaccga cgcgcagcgc ttccgtgatg tcttgatggc gcagcaacgc 480
cgggaagctc aaatggaagc agaaaaggag gcgcgcattg ccatgctgaa tgcagatcct 540
ttcaatccgg agaatcagag ggagatcgag gagatcattc gacagaatgc agtgaccgaa 600
aatcttcaca ctgccatgga gcatcatccc gaatgtaagt ggcagcggat ctga 654

<210> 17694
<211> 708
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (524),(542)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17694
gggttgccac caaagactaa caagcgcgca gcatttggtc gcgtgaccat gctgtacatc 60
cctgttgagg tcaacggcca caaggtcaat gcgtttgtcg actccggagc gcaagtcacg 120
atcatgtctc ccgagtgcgc gaccgcgtgc aacataatgc gactggtgga ccgacggtat 180
gggggaattg caaagggtgt aggaacagcg accattctgg gacgggtaca ctccgcgcag 240
atcaagattg gaagcatgtt tttaccctgc tccttcacgg tgatggaagg gaagcacatc 300
gatctcctcc ttgggttgga tatgttgaag cgacatcagg cttgcattga cctgaagaag 360
ggtgccctgg tcattcagga tgaagccgtg ccgttccttg gcgaggccga tatccccaag 420
gagctgcagg agggtttcga agacgaaccc ctcttcaagg tgccgatggg cgccgaagtc 480
ggcgctcgaa cgggtgcagt cacacaccag gccagcggat ccgngacatc agcggctgct 540

cngtcatcgt cgacacctag gaccaacatc cgccctgcgc cgtcctcccg ttggccgcag 600
gactcgattg cgaaaatcac cgagctcgga ttcactcggg aggaggccgt ccgagcattg 660
gatgcagcca atggggatct cgatggagcg attggttttt tgatttga 708

<210> 17695
<211> 615
<212> DNA
<213> A.fumigatus

<400> 17695
aatcggatca ccaatatcac aatgccgtca ccaacaccct ccccctcaat ctggagccgg 60
aagcgcgacc tggtctacct catcttcttc gtcatccaca tcccaaccat cttcagtaag 120
tgcagccaca gtcgaataca atatagaaat atagctaatt gcaaagcagt ggtcgacgcc 180
gttcccctcc ttccgaccgc cctccaaaca gacctcgcgc accaaatccg cgccttctac 240
gtctcctcct acaacgacaa gttcttcgcc gagccccctc ccccctggtt caccgcgttc 300
atcgcaatgg agctcttcta ccacgccccg ctgagtctct gggccattcc cgctttgatc 360
cgcgacaacg ctatggtccc ggtgcatctg ctggcgttcg gcgtgcaagc gttcgtgacg 420
agtttggcgt gtttggtgca agtgtggagt tgggaggatc ggacggttgc gcagaagagg 480
agtatcacaa tgctttatgg gccttatgtt gcgttaggtt ggtatcctat cttactttgc 540
ttgtgttttt gggattttgg atgggcgctg acgggtgtgt ctaggggcgt ttatggcgct 600
ggatatggtc tttag 615

<210> 17696
<211> 366
<212> DNA
<213> A.fumigatus

<400> 17696
caggcggccc tctgcctggc accagggttc ttaaaggcag gccttgaccc gcctgaccag 60
ttctttttcg atttctcgtg tccctatacc agtgacgatc tgcgaatgaa catggcgatg 120
cacgaccccc atgagaaaaa tggccccgat gccgttgagt cgcgtgtcca gactgacttc 180
cccgttgaac gatttggagg caacggtagt cccggtgtga ggcggatcga ggtgatctca 240
tcgcagttca atttggtcca tcgcattatc ttcttcttcg gtgtcttcct tatcgcctat 300
gtctatggtt tggatggaac aattcggtat acttatcagg tattttgtct tacacatgca 360
tcttga 366

<210> 17697
<211> 258
<212> DNA
<213> A.fumigatus

<400> 17697
ggtggtcacc tgaccgcgtg tgatttcgtg tctgttctgc ctctcggtct ctctggaggc 60
gcgaacttat cgtggagctc caacgatcaa actgtcgctc agctactcca ccatatcctt 120
accccaagtg aagcgataga atcggatcac caatatcaca atgccgtcac caacaccctc 180
cccctcaatc tggagccgga agcgcgacct ggtctacctc atcttcttcg tcatccacat 240
cccaaccatc ttcagtaa 258

<210> 17698
<211> 297
<212> DNA
<213> A.fumigatus

<400> 17698
ctcgacgttt acatgcctag tattcgtgta gcgtggcaga agcaggtgaa cagtctcgat 60
gaacttgagg ctagcctagt actcagaaca tatcagttca gcatcttcaa cctcaagaat 120

tatattttct atttgctgag ccattccttc atgctctcct tgcgcttctt gttacctagc 180
ttcctgaatc ggtccacaag cgctatcgtc caggacaagt cacccggctg gggcttatct 240
cgcagtttga tcatcccctg cctctgtgag atatccaggt tcaggataca acgctga 297

<210> 17699
<211> 252
<212> DNA
<213> A.fumigatus

<400> 17699
aagactccag aggaagcaaa cataggcacc acagcagaag acttgaaaat ggccgctgaa 60
cttcctccct tgctgaaggc ttctctggag caaacgaaag tctcctatcg tcagctaggc 120
aagagtggcc tacgcgtttc ggtgcccatt ctcggtggca tgagcattgg ctctccggaa 180
tggggatcat ggattcttga cgaggagaag gtgagtccat gtacagtcaa gtttgatcat 240
gaaatagatt ga 252

<210> 17700
<211> 372
<212> DNA
<213> A.fumigatus

<400> 17700
cttaactctg atgaatcatc gactcatgag acatcccaac agtggggtcc tctcgacggt 60
ggtaagcttg cacgtccgct ctcacaagtc cgagggacca cccgctcgga gaacaccgac 120
ccgaacgcag tgaccaaggc agatgagatg accatctcca gagtggagga gttggccaag 180
aacaagggct ggacaatggg tcaagtggct ttagcctggg tcaaaaagcg tgtggccagt 240
ccgattgtgg gtttcagctc tgttgagcga atggacgaaa tgattcaagt cgcagaccgg 300
atcttgacga ctgacgagga gagattcttg gaggagccat acgtgcctaa gccaattggt 360
ggtcatgact ag 372

<210> 17701
<211> 525
<212> DNA
<213> A.fumigatus

<400> 17701
atgactcgat tccgttgggt tgcatgccat actgaccctg caggtctatc ccgccaagcc 60
atcttcaacg cagtcaacgc ctcgctgaaa cgcctgggta ccgactacat tgatctcctt 120
caaatccacc gctttgatcc cctcactccc atcgaggaga ccatggaagt tctaaatgat 180
ctggtccgaa gcgggaaggt tcggtacatc ggcgcgagct cgatgaggac gtaccagttc 240
atcatgatgc agcactgcgc agaaaagcat gggtggacaa agttcgtctc catgcagaat 300
cagtacagtc ttctctatcg cgaggaggag cgggagatga atcgcttctg taatgagaca 360
ggcgttggtc tgattcctgt aagtaccgat gacttaactc tgatgaatca tcgactcatg 420
agacatccca acagtggggt cctctcgacg gtggtaagct tgcacgtccg ctctcacaag 480
tccgagggac cacccgctcg gagaacaccg acccgaacgc agtga 525

<210> 17702
<211> 213
<212> DNA
<213> A.fumigatus

<400> 17702
gttgaacagt gggacaccgc gaacaactat tctaacggca aatcggaaga aatcattggc 60
aaggccatca aacattacaa tcttcctcgg cataaaatcc tcattcttac aaaatgttgg 120
tcacctgtca gtgaacatga caaccattat gttgttccgt tcgccgacaa catgcggcag 180
gacaaggaat acgtcaatca attcggtaaa tga 213

<210> 17703
<211> 495
<212> DNA
<213> A.fumigatus

<400> 17703
actttgata aaaaatttca ggaagcggaa tcaacgcctt tcaccgtatc aactccaccg 60
acagacatca cgatggggaa agccgcacga ggcaagcgca atgcgccctc cagctctccg 120
tatcagaagc ccggtgcgcc actctccaaa gcagcttctg cgatatttaa gttcaatacg 180
gacatcggcc agcacatctt gaaaaacccc acaatcgccg atgccatcgt cgacaaggcc 240
aacgttcagc ccagccagac ggtactcgaa gtcggtccgg gtacgggtat cctgacgacg 300
cgaattcttg agaaagcgaa aaaggtcatt gctgtcgaac tggatccccg aatggcagcg 360
gaagttacaa agacggttca ggggacgcct gcggagaaga aacttcaggt tattctgggc 420
gatttcgtca agacagatct ctccaagctg cctcccttcc agatctgcat cagtaacact 480
ccttatcagg tatga 495

<210> 17704
<211> 783
<212> DNA
<213> A.fumigatus

<400> 17704
acgctgacga gtccgccaca gatttcctcc ccgctcattt tcaagctcct ttccatgcct 60
aatcccccaa agacctgcat tctcatggtt caacgtgaat ttgcccttcg gttgattgcc 120
cgtcctggag actcgttata ttcacgacta tcagtcaacg cacagttttt ctctcgaatc 180
tcgcacatta tgaaagtcgg caagaataac ttccgacccc ctccacaagt cgagtctagc 240
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<210> 17705
<211> 402
<212> DNA
<213> A.fumigatus

<400> 17705
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<210> 17706
<211> 1140
<212> DNA
<213> A.fumigatus

<400> 17706
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aatgtgagga gagccgacgg ccctagttca gagccaccta ttttgagcca cacgacctcg 180
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<210> 17707
<211> 2937
<212> DNA
<213> A.fumigatus

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<210> 17708
<211> 753
<212> DNA
<213> A.fumigatus

<400> 17708
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gccaaggaca tccaggctcg ccgccttcgc cgcatcaata tgaaccctcg cgtgaccacc 540
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aagctgcggg gctccaagaa gtcttctgct tga 753

<210> 17709
<211> 747
<212> DNA
<213> A.fumigatus

<400> 17709
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gtgcttgagt tcgcgactgc ctacgcaatc acgaaagctc tactacccgt aaggatagtc 660
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gtcggggctc ttcttggaaa aaagtag 747

<210> 17710
<211> 498
<212> DNA
<213> A.fumigatus

<400> 17710
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tcggatgcag gattagcttg gattttaacc ttccaagccc agtccacagt gaagacgatt 180
gtatgcgtac ctcgacctct agcattagac ctgtggtcaa cgtcgttaaa agtagacacg 240
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ggccccaggt gcgtataa 498

<210> 17711
<211> 228
<212> DNA
<213> A.fumigatus

<400> 17711
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gtctctcctc ctcagtccca gcttgagcag cactacgccg acctctccga caagcccttc 180
ttcaagggtc ttgtttcctg tgagcttccc ttccacatga gaaactga 228

<210> 17712
<211> 225
<212> DNA
<213> A.fumigatus

<400> 17712
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gctcccggca ccatccgtgg tgacttcgct atcgtaagct caattgagac ctcactgtca 120
tggtttgtcg ctgacattgc attaggacgt cggccgcaac gtctgccacg gttccgacag 180
cgtcgagaac gccaagaagg agattgccct ctggttcaag cctga 225

<210> 17713
<211> 300
<212> DNA
<213> A.fumigatus

<400> 17713
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aagttctcct ccatcaactt caaagatccc cgttatttt ctcaccacag aggagaagtt 180
cgggtcaaga tggaaaagat cacagacaag attgcggcat tgccgccaaa cgaaaattac 240
ttttctctcg agttcttccc tcccaagacg cagatggtgg ggtatccccg cactttctga 300

<210> 17714
<211> 1527
<212> DNA
<213> A.fumigatus

<400> 17714
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<210> 17715
<211> 588
<212> DNA
<213> A.fumigatus

<400> 17715
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ccattcgttg aattcttctg tcctagcaaa gacttccgga cagtgctcaa accactcttt 180
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<210> 17716
<211> 450
<212> DNA
<213> A.fumigatus

<400> 17716

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attttccgaa tcttgtcacg gttgagatag 450

<210> 17717
<211> 471
<212> DNA
<213> A.fumigatus

<400> 17717
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ggagctcaca aagagcaatt ggatatcttg accatgtcca acattgcaca ggacaataac 420
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<210> 17718
<211> 648
<212> DNA
<213> A.fumigatus

<400> 17718
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gagaacttgt ctgacgagcc agatgacgaa tcgggctctg tggcagctcg ctgggtcaaa 420
ccttcggaga gacccacgca ccgcctgaaa ttccttatcg gaaagaaagt cgatacgata 480
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<210> 17719
<211> 384
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (236)
<223> Identity of nucleotide sequences at the above locations are unknown.

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gttgttggtt ctatctcgaa catcgattct ctaactgaca aggtcccctt tcttanattc 240
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atgtctgtgc tcatggccct attgcccatt ttcctgcgat gtaagccgag tcttccccaa 360
gccaacgtga cagagctata ctga 384

<210> 17720
<211> 459
<212> DNA
<213> A.fumigatus

<400> 17720
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gcttcctcgg cggcaagcgt ggtcaccaag atcatccagg accctacttc cgccccccag 180
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<210> 17721
<211> 654
<212> DNA
<213> A.fumigatus

<400> 17721
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cctaatctga tcgtgaagtg gttccgtccc gacaaatacg atggatactg gcaactgcgg 600
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<210> 17722
<211> 306
<212> DNA
<213> A.fumigatus

<400> 17722
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tggcgtgcat ggcatgtgca agttgaatac tccgagcttt tgagtgatcc gacgtccttt 180
tctttttccg acccgattaa acttcgcgac gagggctccg acgtcaagct gctgctctcg 240
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<210> 17723
<211> 774
<212> DNA
<213> A.fumigatus

<400> 17723
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gattatcaaa atgaacccct caattccacc atcgactgcc gaatacggcg gaggtatgtt 180
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aagaccgttg agatcgctat ggagaagtgg gggacgccag ccttttacct agccagaaat 720
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<210> 17724
<211> 243
<212> DNA
<213> A.fumigatus

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ttatgtgcta tcaaactact attgaaaggc agcttcagcc ctccctcttc ctttttttt 180
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taa 243

<210> 17725
<211> 963
<212> DNA
<213> A.fumigatus

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<210> 17726
<211> 249
<212> DNA
<213> A.fumigatus

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tgccgcaatc tcaattgcat taacgtatct cactaccgag cggccaccac caacaagcgg 120
ccacctcacg cgtttttcgc cgcgttcaaa aacctcacct atttcaacca ccaaccatgc 180
ctccaaaagc acattaaaat tcaagagctt cagttgagca agagggcaga atcttacttg 240
ctatcttag 249

<210> 17727
<211> 870
<212> DNA
<213> A.fumigatus

<400> 17727
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atctgctcga tattaccaag cgcaaccacg gaccggggca taatgtgcaa tagtaacaag 180
ttggttagcc ctgccttccc agaagcgata aaatgcgccg acttcactat gcgcactcct 240
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<210> 17728
<211> 318
<212> DNA
<213> A.fumigatus

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ctggctatta ctgttaccac atctgacact gcagctccag ctggaaagac caaggaaggg 180
ctgactcatt tgatccacgt gcatttgacc tttcctcaat ccattacagt gtcgagttct 240
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aaatggatta tcgattga 318

<210> 17729
<211> 405
<212> DNA
<213> A.fumigatus

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tacgacttct gctttgcgga tgaatcatgt aacacatgct gctggcttgc gagaaatacc 180
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tctacgctta tcacaaggtt cttgggaaca taccctgctt tgctagtcgc cgatcatgtg 360
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<210> 17730
<211> 828
<212> DNA
<213> A.fumigatus

<400> 17730
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ggctcggatg taaccagtgt actcgagtct gtaggcaccg gctccattct cgatccgagg 180
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gtcgaggcag tgaagtccat gacttttgag actctcatgg gatacctcga ggaatacgca 720
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<210> 17731
<211> 1545
<212> DNA
<213> A.fumigatus

<400> 17731
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tgttgcgccc tcgactcgag aatcctacac ctggaaggat tcgatgcagg catcatcatg 180
gaacagtcac aagccaaaca caacggccca ctcaaaagca ccctagggcc ctgccagccc 240
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<210> 17732
<211> 804

<212> DNA
<213> A.fumigatus

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<211> 984
<212> DNA
<213> A.fumigatus

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<210> 17734
<211> 1476
<212> DNA
<213> A.fumigatus

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<211> 912
<212> DNA
<213> A.fumigatus

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<210> 17736
<211> 411
<212> DNA
<213> A.fumigatus

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acgcctgcct cctcctccac atcacgggta actgccttgc gcttctttga agcctttgaa 360
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<210> 17737
<211> 606
<212> DNA
<213> A.fumigatus

<400> 17737
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ccgaagaagc gaccccgtga ggacaatgat gcatccgtat atgaaatcac agacaatggg 180
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<210> 17738
<211> 549
<212> DNA
<213> A.fumigatus

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<211> 375
<212> DNA
<213> A.fumigatus

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<210> 17740
<211> 1182
<212> DNA
<213> A.fumigatus

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cccagtggca aggcttttca tgatgacact gcgaatgcaa gaaggaatcc taagagatca 180
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<210> 17741
<211> 1557
<212> DNA
<213> A.fumigatus

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<210> 17742
<211> 2787
<212> DNA

<213> A.fumigatus

<220>
<221> unsure
<222> (2714)
<223> Identity of nucleotide sequences at the above locations are unknown.

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<212> DNA
<213> A.fumigatus

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<210> 17744
<211> 384
<212> DNA
<213> A.fumigatus

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<210> 17745
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<212> DNA
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<210> 17746
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<212> DNA
<213> A.fumigatus

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tatactgtta ccaatcctca gcaaaaaggc gtatactaca cctatgtatg gggaaaccct 4920
caacgaacga gcatcaaggg ccatcgcgac cacccgcccg tcttcctacc aaccaaggag 4980
gatgctttct ctgctgcaat tgcgaaaagt cgtgaactct attcgcaaag cgaagttacg 5040
ctggctacac ttcgtcaaag attccttgca aagtctgccg atggtaaagg cggagagatt 5100
ctggtcgacg ccaacttgcc aaacatattc cttctgtggg acaagaacag atctaacctc 5160
aagttccgcg tgctctgttc ccgcaacttc aagacatacg ggcgcgtata tactttcgag 5220
tcaatgccaa gcaccaacgc tgaagaacca ggatatggag acgatgacga gctacctcag 5280
gtttcagcag aagagcgcta cgataccgtt gaaatgacag cagctgagtt cgcctcactg 5340
agcacagaag aacggagtcg gtatcgtgtg ttcagatgtc ctggcttcga gttgcctgag 5400
cagccagtgc cggtaaaccc gtatttcctc ggactttggc ttggcgatga taaccatgag 5460
aaaaccacga atcacaacat tcatgaagag aatgttcgcg aattcctcgt gaaccatgct 5520
gctgagttgg atatgtacct tgcgtggcag ggtctgattg actatgcgac tgtcgccaac 5580
cctgcaccta tgatggttcg gctcccgccc accaatcctg ataccattga gcatcgtccg 5640
gttgtttgtc aagcacggta g 5661

<210> 17747
<211> 564
<212> DNA
<213> A.fumigatus

<400> 17747
cgagaattgc cgtcgaatac ggaaactgct ctccgatcgg aggctgaagc ctcgagtatc 60
tcggcaattc ttgattcgaa ggccggtcat tccagtctgg atactggtga tcccaattct 120

gatgtcgttc ctgagtctat tcccaacgac gtcgccgatt ttggcctcga tggagtcccc 180
gaactcactt ctagcggttt ctcagagctt acctcagatt ctgaactcat gcggttgatc 240
gaacaagtgg agcggtcaag ccaaggttcg acggaagaac caagccaggc ttctgtggta 300
gaacaggaag ctgatctcaa tctgcttgaa accgatagcg aggacgagga agccgacagc 360
gctgacgatg atgagtttgg agacccagag gcttccgaat ttcggccgga gccagaaagc 420
caactttccc agtctcactt ctccaatcgt cggcggaacc accgcttgcg aacaggtcgt 480
cgagtatacg gagatttgaa tggcgaggag gaaggtatac ttcttgacca gatcgtggag 540
caatctgaag ggcagtcgtg ttaa 564

<210> 17748
<211> 348
<212> DNA
<213> A.fumigatus

<400> 17748
gcaataatcc ccaaggcatc gagcgcccgg aggagcgagt taacacgact gcccttcaga 60
ttgctccacg atctggtcaa gaagtatacc ttcctcctcg ccattcaaat ctccgtatac 120
tcgacgacct gttcgcaagc ggtggttccg ccgacgattg gagaagtgag actgggaaag 180
ttggctttct ggctccggcc gaaattcgga agcctctggg tctccaaact catcatcgtc 240
agcgctgtcg gcttcctcgt cctcgctatc ggtttcaagc agattgagat cagcttcctg 300
ttctaccaca gaagcctggc ttggttcttc cgtcgaacct tggcttga 348

<210> 17749
<211> 357
<212> DNA
<213> A.fumigatus

<400> 17749
gagtcggagg ccaattcggt gtgccgttct gtcagtcaac agatcatact ccaagaactt 60
gaaccattat tcagaatgaa gcttagcctc tctgtcgccc tctcgctcgc cgcagcgact 120
gcccaggcag ccacccagtt ctgtgaccaa tggggctcgg tcaccgaggg caactacatt 180
ctttacaaca atctttgggg tcaggcccag gccacgtccg gctcccagtg caccacgttc 240
gaatctcttt cgggcaacac gatcgtctgg aacaccaagt ggtcttggtc cggtggccag 300
ggccaggtga agagtttcgc caatgccgcc tcttgcagtt caccccaag aaactga 357

<210> 17750
<211> 468
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (405)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17750
ctcgacttgg aagtggaagt aaggcagtcc ttacagattc tccgtggatg cgaagctgac 60
gataacagct attctggctc caacattgtc gccgatgttg cctacgacat gttcctcagc 120
acgtcccccg gcggcgacca caaatacgag atcatggtct ggctaggtgc tttgggcggc 180
gctggtccca tttcctcgac gggctcgccc atcgccacgc ccaccgtcgc tggcatcaag 240
tttaacctgt acctcggccc gaacggctcg atgcaggtgt acagcttcgt ggcccagtcg 300
accacgaata gcttctccgg cgacatgcgc gacttcttta cgtacctgga aagcaaccaa 360
ggtctgtcca gcgacctgta cctggtcgac gtgcaggccg taccngagcc tttcagcgga 420
agcaatgccg ttttcacggt atccgactac tctgtcagtg tcgcctaa 468

<210> 17751

<211> 1008
<212> DNA
<213> A.fumigatus

<400> 17751
agagatacat cgcccccaaa caaagaccat tgtcaacatc tcttatcagc tcttctcgcc 60
ccatttacca tcggaaagag tacgagcaag accaagacaa atacgagata ctacttttgt 120
ctcttcaatt tcgggttgtt gacgtttttc aataataagc atcagtttcg ttcgctccgg 180
agtaggtatt actttctata cttccgttgc tcccatcacc ataaacacca acaattacaa 240
cgccaccaca acagcatcac catggatgtt cccgtggctc tcaatcgagc cgctcttaat 300
gactttgtca cccgcccagt atcacgagag atggtggcct atctggctca gcaagcttcg 360
ctggtcatcc gctgcgagtc gcatgtgacc tctgccgtta gccgtcatgg ccaccctacg 420
cctccaagca cacctccact ggatggcttg cctcctctgc catcgctcga gacgtttatc 480
atctcgctcg tcactcggtc tcaggtccag gtccctacac tgatgacctc tttggtctac 540
ctggctcgac tgcgggctcg cttgccgcct gtcgccaagg gcatgcgctg cactgtccat 600
cggatctttc ttgcatcgct catcctggct gcaaagaacc tgaatgactc gagcccaaag 660
aacaagcatt gggcccgcta cacggccgtc aagggctacg atggcttctc cttctcgttg 720
ccagaagtga atctgatgga acgtcagctg ctgtttcttc tcgactggga cactcgggtt 780
acggaagacg acctttttct acatcttgaa ccctttctgg ctcctattcc cccgcgattc 840
gacgcgcaag agcgcgaggc agagctgaga cgcccgcaac agccaccgca gcaacactac 900
cgcgaatggc ggcgccctcc atgcatcggc agaactcctt ggtaccccgt ctgcttcgcc 960
gagaaggttg aaggggcgtg gagacgctcc ccccatgcat gggtataa 1008

<210> 17752
<211> 393
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (3)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17752
ttntacacga cgacctccac aatgccctct aaatcctcct ccccacaatc aaattccacc 60
cgcaagaatt cctgcggttg ctgctgcttc tccgtgcgca aattcggttt cctcgcggtc 120
ttcgtggcca tcttcgctgc actgtacagc tacctcgatg ctcgtcttga gcaattctac 180
atcttcaatc ccgaacacct gcacgatctc tcccagcgcg ctattcaggc tcatggcaac 240
gacacccgtg cgatggtcga cttcattgtc gccgagctgg accagaagat tcccggtaac 300
cacctgaaca agaacgagga atggattttc aacaatgctg gtggtgctat gggtgccatg 360
tacatcattc atgccagtaa gtttgttcaa tag 393

<210> 17753
<211> 258
<212> DNA
<213> A.fumigatus

<400> 17753
gatgctccag cctccaagcc aataagagag gaaaacaaac agaacccgat gccaggggaa 60
ctcattcaac taaccaagga tttacttact gtgtacggtg tagactcaaa atatacgcgg 120
gcgccgcgga ctccagcgtt ccttttttct ctgcctagtc taatcatccc tattattact 180
cctcttgtta agcctctttt cgtccccgga ttctgtcaat tgtttcaatt gtcaatttta 240
gtctctcgat tggcttga 258

<210> 17754
<211> 237

<212> DNA
<213> A.fumigatus

<400> 17754
tataaactag gcaccgcgat tggcaccgag ggccacaccg gccgccacac cgccgatgac 60
tacttcaaca tccttcaggg aactcaggtc gctttcgttc ctggcacttt tgagcctgag 120
gtctaccccc ctggcaccgt ccaccacctc cgccgcggcg aggtcaagca atacaagatg 180
gagcagtcct gctttgccct cgtcttcacc acgggggtcg acggatccgc gctagca 237

<210> 17755
<211> 243
<212> DNA
<213> A.fumigatus

<400> 17755
ctcatcatgc tcaactgcat catcaacacc atcaatgtcc accagcccct ctcgacttcc 60
cttgacctca tggctcgcag ggtattccca ggccagaacg tggcctttgg gttgagcctg 120
ttcctcttta cgtttatgtt cctgccgacg ctagtgatgc tcttagctgt cattgtgttc 180
tttgcgttct actatccgca gctggggaag tcgacagctg ctcaaaacga tgactatgag 240
tga 243

<210> 17756
<211> 318
<212> DNA
<213> A.fumigatus

<400> 17756
actgctttcc acgcatcttg gtcgaacagt gcatcggccg ataggaacac tttgaaagtt 60
agccgaggaa ccagtgtggt aagcattgtt ctgatcagca tatatgttta tgattctcat 120
attgtgcagg tgctgctcct cgtgtatatt ctctacatta tctttcagct caaatcccac 180
tcctaccttt acgcgagcat cccacagcgg atcattgatg aagaatctca tcccggtgtc 240
ctggcggagt ttatgaacag ctcttccgat tcatccaagc actcgtctga tgattccgat 300
gaaccctcga catcctgg 318

<210> 17757
<211> 537
<212> DNA
<213> A.fumigatus

<400> 17757
cctgcagaca catatcaagc agttgaggtg ttccaaaatt tgatccacaa tcttaaagca 60
gcacaactcc aaatccaagt cagacatggt tatggctcct cgctgctggt ctgtgtccgg 120
gttccccggg atcacttggg acggatgata tacgagtcga ggtaccctcc ccccgtctat 180
acacaactgg cttcaccgac taacttcatc agagtaaaag actggctata tggaatcgtc 240
catgaactcc ccgttgcaag cgaccacgcc gtggccgaaa cccccgccga agaactccga 300
tcagtctacc atgctgtaac ctggcagaga cacctgggtg gtgctggcat caccccagga 360
ataggacagt ggaagaacat tgcgtctgcg tttccgcttc atgaccaggc cgctaacgcc 420
gagctgctgc gtaatatgag tcgatcattg acgttaactg ataaggatct ggatgcgatc 480
cgtgccttgt ttggcgagaa ggtttgtgat cataaaaacg gcgataatca aagctga 537

<210> 17758
<211> 198
<212> DNA
<213> A.fumigatus

<400> 17758

cctatcactg cgcctcatct cgttatcaat cacgcttcac ttttctattt gtctacggca 60
ggtatggtgg ctgtaattga atgtcatcca ggagtcacct tgagctgctg tcctacccaa 120
gaaaactgtc tctgtaatcc tctctcctac aataacactt gcgactggag tagactttcc 180
tttcgtgtga ctatttag 198

<210> 17759
<211> 759
<212> DNA
<213> A.fumigatus

<400> 17759
tctccaaccc actgtcagtt ggcgcggatg gtaatatttt tcggtacagt tcaggcaggt 60
attcgagcat tcatcgtcga taatgctccc gctcatcagc aggaatcggc gaatgcttgg 120
gctagtcggc ttactggggt gggcaatatc cttggataca tttttggtta cctcgatcta 180
cccaaaatat tcccatttct tggaaatact cagttcaagg tgctctgtgc attgtcctca 240
ttggtgctcg ccattacgct gagcatcagc tgctcttata tccatgagcg agacccacgg 300
ctcgaaggac caccgtccaa agatagtcaa ggacttgttg gctttttttcg gcaagtgttc 360
aagtcgatca agtttctacc tccgcagatc gccaaggttt gccaggttca gcttgctgcc 420
tgggttggct ggtttccgtt tttattctat gcaacgacat acatagggca gctctatgtc 480
aatcccatct tcgatcagca tccgaactta tccgaggatg acattaataa ggcttgggaa 540
gaagcaactc gaattggaac gtttgcactt ttgatttacg cgataatctc gtttattgcc 600
aatatgatct tgccgctctt tgtcgtccca acatataggc cgatcacgtg ggccggagca 660
ggcttacccg gatactccag aagaagaacg aaccctgtct atccagaagg atgtcaatct 720
caagtctgcc cgttggtgtc gcctcagaac cctccctag 759

<210> 17760
<211> 1230
<212> DNA
<213> A.fumigatus

<400> 17760
ctgacaggct taggcatcgt ctcgcttctg ttctgtggta tcacgatgaa acactacgcc 60
tactacaaca tgtcgcggcg gacgcagttg actaccaaat acctcttcca ggtcatggcc 120
caattgtcgg agaacttcat cttcatctac ctgggtcttg atttgttcgt cgaaacgaat 180
ttacagttta agcctctctt cattctggtc gccgtctttg gcatctgcct tgctcgttac 240
ctcgcagtgt tcccgttgtc gaaggcgatc aactggttca ttcggtacag ggcacgccgt 300
cacgggttgg aagtagcgga cgagctgccc ttcgcccatc aagcaatgct attctgggct 360
ggcctgcgcg gagctgtggg ggttgcgctg gccgcggggc ttacaggggt gaacgcgccg 420
gcgttgcgtg ccacagtctt agttgtcgtc gtgttgaccg tcatcatctt cggaggtacg 480
actgctcgca tgctggagat tcttggaatt cgcaccggtg tggtcgagga gatcgagtcc 540
gacgatgaat tcgacatcga ggtcacccat gggggtacct attataagcg ctccgacact 600
ggcttggggt atacgccccg gcgcactgat tctaccattc ctctggacgg gatacagcga 660
gcaagtctcg gtgacagggt cggcagctat tccagtggca ataaccgccg tcctagccca 720
cctccgtcaa ctcggggcca tggacggatg tattcgaaag cctacagatc caaggacggg 780
cgcgataaat catcgatggc cacgcttctc gggaacgggg ctggaatgca cagtgatagc 840
agtgctgcta gtgaggatga atttggcctg agagccgatg ggcgcggccg aggggcgtca 900
gagccggacc aggttgatgc attcgatttg gatatcgatg atggtgcttc tgacgacgat 960
ctacccccct ctgcgccgac tgcggcttct agaatgcggc ggtcaccgtc gcaggcacag 1020
aatctgacgc cttcacaagc tgctccgtcg aacggagcgt cgcccgcaag gagagagaca 1080
ggactgagtg cgagggaagc tcttcgtgat ctgttctcgg gtggaccatc cggcgatcat 1140
gcggcctggt tccgacagct ggacgaggac tttatcaagc cgcggctgct gctagatcag 1200
tccaatcaca agggcccagg tgccgtttga 1230

<210> 17761
<211> 486
<212> DNA

<213> A.fumigatus

<400> 17761
ttgtgcgtgc agcgctcccc cggtctggtg gtaactgagg cgtatgctga cgcacatgat 60
gtagatgggt ttgcgaccat gttgctctcg ctcgtgtcta ttgcccgcga tggggagtgg 120
actgcttccc gcccagtcgt gtatgccacc tacgtcgctt gtgtcgtcgt acacgggttg 180
atcaccacgt tctttgcgcg catcatgccg aagatccaga cgctctgtat cgtcagcaac 240
atcgggctcg tggtagcaac cgtgattgcg ctcccgattg gcaaggcgat aaatggcggg 300
cccgtgaacc cgggttccta tgtcttccga catactgata acctgaccac atggcccagc 360
gggctgggcg tttatgcttg cgtgggctct tccctatctg gacaattggc gcctttggat 420
tctggcttca ttataacgag gaggctactc atggccacac ttgccgggcc ggttggtttt 480
ctttgg 486

<210> 17762
<211> 1044
<212> DNA
<213> A.fumigatus

<400> 17762
cctggtgtct ttgttctgca gggagagcag ccgactcgga tgagcccgat gaccgtacgc 60
gcgtggatct cttatattca gaaacctctg gggtcggttg ctgatgaact attccagatg 120
cctcctgatg ccgggaaaaa aagagttctt cagctcctgg gctccttttc atcctggatc 180
atgcctgttg atgtctggcc ttgtttacga gttatatctt gcaacaaaag aagatccagc 240
ggtttcatga aacagttctg tcgatctttg ctggtatgtt tgactttatt tctgcttttt 300
gtctcctcgg agggtcggcg gtcgctcatg cgcattaacg caggtatgtt tgtcgggttg 360
attatccgac tgagtcccga gtcgcctata caagacagcg tcactttcga ctatcagttc 420
ttcttcaacc tcctccttcc tcctatcatt ttggcctcgg gctacgagtt acatcaggcg 480
aatttcttcc gcaacatcgg cactatcctc acctttgctt ttgcggggac gttcatctcc 540
gcgatagtgc tgggcttggt gcttttcatt tggacgcgga tcccgttgga cggcttgaac 600
atctctttcg tcgaggctat atctgttggc gccacgctct ctgcgacgga tccggtgacg 660
atcttggcca ttttcaacat ctacaaagtc gagcccaagc tttacacggt catctttggc 720
gagtcgattt tgaacgatgc cattgccatt gtcttgttcg agacagcgca gaagtatgcg 780
gaaagtgacg ctggctcact gacgatcctc aatctctttg aagctatcgg actctttctg 840
cttgtcttct ttggtagtat gctggtgggc atgattgttg gaatcatgac cgcactgggg 900
ctgaaataca cacacgttcg tcgcatgcct aagatcgaaa gctgcctgat tgtcctcatc 960
gcatatgcca gctacttctt ttcgaatggt gtccatctat ccggtgagtg tctttgcgac 1020
ttcctccatc gtcctggtaa ctga 1044

<210> 17763
<211> 207
<212> DNA
<213> A.fumigatus

<400> 17763
cctttcttgc taatctcagc ttcgcgtctc tcttgtattg ttgactcctc cctcaatcac 60
caaaccatgg cggaaaagtc tcgagctatg gacgccaagt ccaaggttgc gcagacagtc 120
gatcctgata tcgctgtcga gactggcgac atggagttac tcggtgtgtg gcatggtgta 180
ccatctacaa tgcgaatatg ctgctga 207

<210> 17764
<211> 348
<212> DNA
<213> A.fumigatus

<400> 17764
tggatatgga ttcttccagc gacgctgggg tacaagcaag agcttcgacg acattactcc 60

actacccaga tctttgcggt tgcgttcagc atcatggggt tgttaccctc cattgcatct 120
accttgtcgt tctcgttgcc tgcgggtcca gtgggcatgg tctgggtaaa ctatctccat 180
gaattgcaat gtggattttt gaagtgtccg ctgactagtg acagggtaag agctttgggt 240
cactgtctgt gggtgcattc attcagcggt attgactctc tttctatagg atggctcgtt 300
gcaagcgtgt tcatctttat cgttggcctg gctatggtac gtgtttga 348

<210> 17765
<211> 417
<212> DNA
<213> A.fumigatus

<400> 17765
ccttaccttc tgtcccttgg aatgagcaag gccctgcttg cctttgtctg gatcgcggga 60
cccctgaccg gcacacttgt gcaaccctac atcggcattc ggagcgataa ctgtcggata 120
ccatggggta aaagaaagcc ttttatgatc gctggtgctg cggcgaccat tgtggccctc 180
cttgcgctcg catgggtgca agagattgtt ggaggggctc tcgggatatt cggtgtcgat 240
ccggcctctg atgggactcg ggcgacaata atctttctag cgacagttct gatgtactgt 300
ctagacttcg ccattaatac tggtaagcac atgatctcca acccactgtc agttggcgcg 360
gatggtaata tttttcggta cagttcaggc aggtattcga gcattcatcg tcgataa 417

<210> 17766
<211> 753
<212> DNA
<213> A.fumigatus

<400> 17766
gccgatcacg tgggccggag caggcttacc cggatactcc agaagaagaa cgaaccctgt 60
ctatccagaa ggatgtcaat ctcaagtctg cccgttggtg tcgcctcaga accctcccta 120
gaaccaacca gcggtaagca aaccgaaagt agggatgaat cgacatggtt atcaaagctg 180
cagatacctg ggctgacgct gcgccgggca tggcttatct ctcacgtcct gttcgcggtc 240
tgcatgttca gcacctttct catctcctct tatcaggttg gatcggcagt tattggactt 300
gtgggcattt cgtgggcctt gactctatgg gctccctttg ccctgatctc ggcggaggtg 360
tcccgcattg acgcggagcg tcggactcga cggcatcagg cagagatgga cgcatctcct 420
gaacagtata ccgctgcgaa tgtcgctggt gaccgcgggg atggtgctga ttacgacgaa 480
gatgtagaga acggtgctcg accgcgacgt accaaggtcg aggacgagga agaaaatctt 540
gcccaagcgg gcatcattct cggactccat aacgtggcag tgtctgcgcc ccagatcttt 600
tcaagcttga ttagtagcgc tatcttcaag gccttccaga agcctagggg agagccctgg 660
gatgacagtg ttggatgggt gctgagattt ggaggatgcg ctgctttagt tgcggcctgg 720
ctggccagtc gcgttgggga tcgcacggcg taa 753

<210> 17767
<211> 534
<212> DNA
<213> A.fumigatus

<400> 17767
tccaatgagg ttgctaggaa aaccaagatc catcggcttc acactctcca ggtactcgat 60
ctgctccggg gtcaatttga tgctcaacgc ctgaatgttg tcgtgcaggt gctcgacctt 120
gcgtcctccg acgatcggga acacattcgg cgccttggcc cgcacataag ccagagcaat 180
ggccgtcaca gactcgatac cgtgctctgc ggccaccttc gcgagagcct cactcatctt 240
cacctcatcc tccgtctgct cccctggccc gaacatgctg cgcaggccct cgcccttctt 300
cttgcgctcc tcgagcgcct ttttggtctg aaacttgccg ctgcccagta cgtcccacgg 360
cgccagggcc ataccaaaat gccgcgtcat ggggatgatc tcgcgctcaa agtcccgcag 420
catcacgttc caccgccccc ggtagacgct gaagggcgtc ttaccgtgtg cacgcgcaca 480
agtgttcgcc gcgctcacaa cccacgctgg tgtgtccgaa atccccagat atag 534

<210> 17768
<211> 183
<212> DNA
<213> A.fumigatus

<400> 17768
tggcgccaaa tggcgccaaa tggtgaagaa gttgatctaa tttacaactc gtctatcaca 60
acatataaaa ttgatcagac tatacgccgt atcgaaatgc tctattatct tgctgaaaca 120
ccaacaacgc cagacgatgt cgtacgaaca agcccagggc cccacaggcg gtctgaacca 180
tga 183

<210> 17769
<211> 624
<212> DNA
<213> A.fumigatus

<400> 17769
ctagaagtca tggcggtcgg accgaccctt gggacaggcc tctttatcgg aggtggccag 60
gcgctggccg ctgggggtcc tgcttccttg ctcttctcct atttgttctt gtctgttctg 120
gtatactgtc tcgcaacagc cttgtcggag attgccgctc atatgccggc tcaagatggc 180
acaatggtct ctcacgccta ccgatatgct tcgaaaccct tggcgttctc catgggttac 240
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tacttgaaac tgatcacgac cacgggcctc gtcttcctca ccattgtctt tgccattcca 480
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ccggaaggat acgcgcaatg cgta 624

<210> 17770
<211> 246
<212> DNA
<213> A.fumigatus

<400> 17770
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tcagaccacc gcatgaaagt gtgggatcag aaagatggtg aatggcacct gatcgatacc 180
tggcgcgctc atgacgctga aatccgtgat gtaagcatcc gcttcatggg cccattgcgt 240
cgataa 246

<210> 17771
<211> 894
<212> DNA
<213> A.fumigatus

<400> 17771
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tcaatttcc gtatgacggc gccgcagcgg catcccttcg tttctatgga ctttcgcaac 180
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gcgcctcaac gcggtgagga aaccagcttc aaagtgcagt ttcaccatga tccaacggat 360
attactcact tggtcaatcc gagctgggac cgtaagagcc tctctcttgt cgtcgccgcg 420
atggacagcg tcaaagtata tcgcaccgac gccaatcgtc gcttctacca cgctattgaa 480
ttgactgggc atggcgggct tgtcagagac atctcctggg ctaatggctc tgttcgaggc 540

tacgatctca ttgctagtgg ctgcaaggat ggcttcgtac gagtctttga agtctatacg 600
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cctgaatcgg tgacaaatcg tccagcgact ggtgattctc agttcaagca ttcatacaag 780
gaagttgcat gtatcgacag caaacatctc gatgtatggc aggtagagtt ttcctacgca 840
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<210> 17772
<211> 261
<212> DNA
<213> A.fumigatus

<400> 17772
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ttacagatga gtatattatc gacgcaatgg gcccatgaag cggatgctta catcacggat 180
ttcagcgtca tgagcgcgcc aggtatcgat caggtgccat tcaccatctt tctgatccca 240
cactttcatg cggtggtctg a 261

<210> 17773
<211> 1086
<212> DNA
<213> A.fumigatus

<400> 17773
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gggctcctct cgttgcaatg tattgtcata ctaggaattg gggatgatct gctcgatata 180
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actttcgtgg acttgggaag ggctgtacta tgtgaacaag gccggctaat gccaatattt 360
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gatcgtttgg cgtggcacat ggtcatggtt cagaccgcct gtggggccct gggcttgttc 1020
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<210> 17774
<211> 225
<212> DNA
<213> A.fumigatus

<400> 17774
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cgagatgtag tgcttgagat tgctcatgtc gagaatggtc gctttctcca tcgctttcca 180
cactccaagg tccgtcctgc gagttctcct atcacgcttg gttaa 225

<210> 17775
<211> 1188
<212> DNA
<213> A.fumigatus

<400> 17775
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tctccactgc agctcggcgc catgtcgatc ggagatgcct ggtcggattt tatgggctca 180
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cacatgagcg tacgcgactc gctcaagaag ctgcagacgg actggatcga tatcctctac 480
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tggaacgtga tgctgcggga ctttgagcgc gagatcatcc ccatgacgcg gcattttggt 720
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accccggagc agatcgagta cctggagagt gtgaagccga tggatcttgg ttttcctagc 1080
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<210> 17776
<211> 507
<212> DNA
<213> A.fumigatus

<400> 17776
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gtctactctc atcatggcct ttggaacgtg gactacccca aggaacacta tgagaagtat 180
caagaagagg cggaagcagc tctgaggcag cagcttgtcc atattctcca acatgacgat 240
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ctcatctcgg aattcggtgg gcgctgggtc ctggtttatc tgaacgtgga tccaacagag 360
attcggcgaa gagtagccgc taggaatgca ctgattgaca aagatggaga ctcggcattc 420
tacttaacag aagatctgtt ggaacggtac attaatggat tcgaacgacc ggttggagag 480
ggggagattg tcatcaactt ggattaa 507

<210> 17777
<211> 219
<212> DNA
<213> A.fumigatus

<400> 17777
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ttcttgatca tcagttatat gacgcccatg gcagccggta tactggcgga tgggtatttg 180
ggccggtatc gtacagtgct attgtccatg acgtactga 219

<210> 17778
<211> 192

<212> DNA
<213> A.fumigatus

<400> 17778
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ccgtccatgc tccacagggg agctgggctt cccggcctta ttgtggcgat gatcctcgtc 120
agcttgtccc ttggtggaat taaagcttcg cttccccccc atgcttggta cgcgggtccc 180
ccgacatgct aa 192

<210> 17779
<211> 741
<212> DNA
<213> A.fumigatus

<400> 17779
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gaccatgtac tgacagatcg aagcacgcca tttgttatct tctggctttg ccaggcgcag 120
atgactacga atactgtgtc gcaagcggct gaaatggaga ctcacagggt gcccaacgac 180
atgctcccta atctgaactc cataaccgtg ataattgcac taccgctcgt caccaaattc 240
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ccgaaccacg tcaacatcgg gtaccaatcg cccgtttatg ttctcgaagg tctcagcgag 480
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cttaccccga cgaacaaaga tcctgattta ctcggcatgt atgcaggggt ttctggggcg 660
atgtttgtgg ccgcagtgat tgtcatggtg gtttcttaca agcatgaggg gaggactgca 720
cgggatgatg attcgtcctg a 741

<210> 17780
<211> 219
<212> DNA
<213> A.fumigatus

<400> 17780
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cgggtccccc gacatgctaa aaatcctaga ctgacctcca caatagcgga gcagtgtagt 120
aaaatcaagc agcggatccg gattaccaag aaaggagaac gcgttattgt tgatcccgac 180
gtcacactgg aatatgcttt tgatgtctat tactgctaa 219

<210> 17781
<211> 189
<212> DNA
<213> A.fumigatus

<400> 17781
gcgctggtaa acagagtgga aaaagctgcc atgggccatt tgacacggat cttcatcgaa 60
acatatgaga tttgtgagaa gtacgataac ccttttaagg acttcaaact tccctcgtcg 120
agctctatga atgatgattc gttgcctaat gttggattac cagatgccca aacagggttg 180
ccgtggtga 189

<210> 17782
<211> 1077
<212> DNA
<213> A.fumigatus

<400> 17782
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catcaatata tcgaggcatt ccgcagcgac aaaatgactg atatcgaaaa catcgccaac 120
ctgatcaaaa gcggccaggt acacaaaatc gtcgtgcttg ttggcgcagg catctccacc 180
gcggccggca tccccgactt cagatcgccc gagactggca tttatgatcg actcaaacct 240
cttcatctgc cctatcccga agctatcttc cacatcaatt acttcaggca cacccctgag 300
cccttctacg ccatcgcgcg agccaggcat cctcgctccc tcaaaccgac catcacccac 360
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gacggcttag agcgggatgt cggtattcca gaggataaga ttctcaatgc gcacggcagc 480
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gcaatcagca caggcactgt cccttattgt caagttcctg actgtggggg agcagtaaag 600
cccgacatcg tgttctttgg acagcctctc cccgcggaat ttgatgaaaa ggagaaggaa 660
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agactgcctc gtttggctcg cgaaggcatt ccccgggtgc ttgtcaatcg tgagaaggta 780
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cgcaaactag cggatgccct tggttggact gcggagatgg agtcactgtg gaagaaggcc 900
atcgcggcca aagaagcagc acaggaggat tggggagagg aggagagtct ggacgagctg 960
attgacaggt acgcgaaaac gctgacggac gccaggaaga tctctgctgg gcataaacgg 1020
atgttggagg aacacctgga gaacaagttt gccgaggtcc taaagaagag cacatag 1077

<210> 17783
<211> 207
<212> DNA
<213> A.fumigatus

<400> 17783
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ggaagtgcgc tgaatggcag gaccaaggcg agctatagca tccaacagac ggctcatgat 120
gcgaatgtgt atttggcaga gaatgctatt gaaaatgctc gaccaatagt tggagatcaa 180
tacatgttta aaaagttcaa tgtatga 207

<210> 17784
<211> 543
<212> DNA
<213> A.fumigatus

<400> 17784
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gcaaacttgt tctccaggtg ttcctccaac atccgtttat gcccagcaga gatcttcctg 120
gcgtccgtca gcgttttcgc gtacctgtca atcagctcgt ccagactctc ctcctctccc 180
caatcctcct gtgctgcttc tttggccgcg atggccttct tccacagtga ctccatctcc 240
gcagtccaac caagggcatc cgctagtttg cgcaccccat cgtcgcaatc acccaagatg 300
gacacatctt ccgcccgctt tccaaagtct cctaccttct cacgattgac aagcacccgg 360
ggaatgcctt cgcgagccaa acgaggcagt ctcgagcatg gagcaacctt tagactcgtc 420
cccatcacga gcatcatatc cgcctcggat acttccttct ccttttcatc aaattccgcg 480
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tga 543

<210> 17785
<211> 264
<212> DNA
<213> A.fumigatus

<400> 17785
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tctggtaatc caacattagg caacgaatca tcattcatag agctcgacga gggaagtttg 120

aagtccttaa aagggttatc gtacttctca caaatctcat atgtttcgat gaagatccgt 180
gtcaaatggc ccatggcagc tttttccact ctgtttacca gcgcctattc caacccctct 240
gatacctcgt ggatggtcgg gtga 264

<210> 17786
<211> 243
<212> DNA
<213> A.fumigatus

<400> 17786
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gcaaccttcc ttctgtttag tttgaccgac ccatatcctc tcaagcctca gccccctcaa 120
cactgggaga cattgacaat ggctccttct gtgctgccct ttcgcgacat caacctgcac 180
gcctctccct ctcattatgc attcacttct ccatcatcac ctaatgctca gacgctcgtt 240
gtc 243

<210> 17787
<211> 282
<212> DNA
<213> A.fumigatus

<400> 17787
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tcctacaata tcatctatgg ccgggagtcc cgggagtgca tgcgttcttc tactatgttc 120
acccttgatt atactcaagc tgctcagtca agtatttgct ctgttttata ctgtcaatgc 180
attggaccca gaccagggcc actaaacaac gtcaccggct tgcaacttcg cctccgaaaa 240
ctatcgaaaa gcagatcaac ccaaaaaaat caaaggaaat aa 282

<210> 17788
<211> 678
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (385)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17788
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tcgcaagaaa ggtacgcatc ctccgtcata atgtctcctc gttataccgc tcaacccacc 240
gagcaaacca ctcagtgcac cgattctgct atgcaaaccc gcgaggatgg aaaaacggag 300
cccacggaca cctacgaatt cgctcacgtc ctcttcgaaa tcaaaacctc cccgaagaaa 360
ctggccccca tcctgctcga gtccntgcac cacagactcc accacagcga cgtcaaggtc 420
tacccatctt tcgacgttct ccgagccgac agcgccatca agcgcggcaa cgtggtcttt 480
gccctgcccg ctgcgggcca gactgtcgat caaatcatac tggcggtgcg gcggcaggtc 540
cagcatttga tcatggactg ggatacggaa gagctgagcg gtgagggact gtatctggta 600
acgggggata aaacatgccc ctggggatgg agcttcctgg actatcaggc ttggagggag 660
cagaggaagc gccgctga 678

<210> 17789
<211> 951
<212> DNA
<213> A.fumigatus

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cgagtttggg gcctcatgac attcgccggc gaccatcaaa atgatataaa agtcctcgca 180
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ctgtcgattc acaatgcgga taaagctacg cggaagaagg cgatagggga ggcggcgcgg 780
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<210> 17790
<211> 1026
<212> DNA
<213> A.fumigatus

<400> 17790
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gagcccaaga aggatggccg caacatcgca gctatcaagg atccctccat tgtcaaagtg 180
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ccggccgggt ggagcaaacc gaagaatttc ttcagtagca tgcccagcat catcgcccag 480
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ctgttctcct cggacgacaa cggccatctg taccgctcgc agacctcgtt ggccaacttc 600
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<210> 17791
<211> 594
<212> DNA
<213> A.fumigatus

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cgtattcgac caatccgaac attgccaacc cggccgggtg gagcaaaccg aagaatttct 420
tcagtagcat gcccagcatc atcgcccaga ataagggcaa tggcaactgg gtcgacatgt 480
ggacgatctg cgattcaagc aactgctacc tgttctcctc ggacgacaac ggccatctgt 540
accgctcgca gacctcgttg gccaacttcc ccaacggcat gggcaataca gtga 594

<210> 17792
<211> 1269
<212> DNA
<213> A.fumigatus

<400> 17792
ccacgacgaa tttctgggac gagattggca caggtctttg cggcggtctt ggttttgttc 60
cttatattcc tgctgggtgc atataaagcc tctagtggct tccgagcttc gcactcttcc 120
caacatctgc tctccaacgg ctccgccctc tttggtccta ccaccatatt aatttccctc 180
gatgggttcc gtgcggactt ccttgatcgt ggtctcacgc cgacactgaa tgcgctgatc 240
gccgagggcg tttcgccacc atatatgctc cccagctttc ccagcgtcac atttcctaac 300
cacttcactc tggtcacagg cttatatcca gaaagtcacg gtattgtgag caacactttt 360
tgggatcctg ccctaaagga aaatttccac tatacgaacc agtcaatcag tatgcagcct 420
aagtggtgga atgccgaacc cttgtggatg accgccgaaa agcacggcct taaaaccggg 480
attcatatgt ggcctggctc cgaagcgcac attggaggag tagacccaac atttttggac 540
aagtacaatg ggtcagaaaa gctctcgcga aaagtcgatc ggatcctgga gctgcttgac 600
ttaacaggcg cggaagaaga atctttgatg gtccccgagc gaccgcagtt catcgctgca 660
tatgttcccg atgttgacgc agatgggcac aagtttggcc ccaacagtac tgagatccga 720
catacaatat cgcaggttga cagcatgttg gctgagctga tgtctggcct tcgaagccgc 780
aatctgaccg atattgtcaa ccttattatt gtgtctgatc atggtatggc tacaactgct 840
acggaacggt tgatacaact ggatgatttc attgagctgg gtctggtcga tcgtattgat 900
ggatggccat tgcgcggtat ccggccgaga aagcctgagg atcttgaggt cttgcaaaaa 960
cagctggaaa acctgacgct acaataccca caagcggtgg aagtctacac acgggagaca 1020
atgcctgagc gatatcactt ttcccgcaat gaccgaattg ctcccctctg ggtgatccct 1080
aagacgggat gggcgatcgt cgagcgacca gactttgatg ctcaagaggc catccgaact 1140
ggaagagttt atcacccaaa gggtgttcat ggttacgacc atgagcatcc tctgatgcgc 1200
gccatcttca ttgctagggg gcctgcgttt cctcatccac ccaacagccc ggctggaagt 1260
tttccgtaa 1269

<210> 17793
<211> 420
<212> DNA
<213> A.fumigatus

<400> 17793
gctaacatgc gtgcagagaa tatcaatgtg tataacttgg tctgcgattc tctggggatt 60
gatccgctcc ccaacaatgg aacgatgcgc cttcctctac agccagtggg ctttcattcc 120
gatgaagatg cgccgattgt cgacaagcct gctgaccctc cgatcagcag cgctagcatg 180
agtgtaatcc cctcgcaaac cacgacaccg gcctcgacat cttcagaggt gccggcaaca 240
gctcttcttg cccagccaac ctcaccatct gaaaatgagc ccagctcaga gccgcaaaac 300
gaaccggaaa gcgacgacga gcaaggccct acttggtggg gaaccctctg gagcaaagtt 360
gaggagatca aggaatgggc tactgatatg atcgagaccg tcaaggacaa tatcgcgtaa 420

<210> 17794
<211> 774
<212> DNA
<213> A.fumigatus

<400> 17794
tcttcttttc tctttttcga cttctcgtca ttttttttcac ggtggatggc tgtgccgaac 60
atggcgtcgt atttggacag caatatcagc aataatagca gaaatgccac caccaccacc 120

ttcgacacgg ctgtcctgga cgcctttata ccgggatact ctattctctc tcgctttctg 180
gtgtcgtacc tccagatcga tctgtcgtac tacctgccct tccttgtgat ggcggccgca 240
gtgaccgcct ccttgcgcta caccattaag agaattattc atctactggg ggaacacttc 300
acctcgacgg cggagatccg cctcgacgat gaaatttata attatttgat gttctggatg 360
gcacagcagc cgttcacgaa gcggacgacg catttcgtcg cggggacgaa aatcagcagt 420
gggatgcggt actgggattc tgataacggc gaggggtccg acgatgagga catctgcgat 480
gacgatgacg acgacaacgg cagtgccggc gacaacagcg acacgctggc caactttgac 540
cggtactggc aaaaggtcat cagtaaggac aagtaccgca cgctgcggtt cacgcccgcc 600
gaagggacac actacttctg gtacaagggg cgtccgctgg cgttcatccg ggagcgggag 660
gagaacaaca gcggcatgag tctgcggtgg gtgccggagc ggctgtacct gtcgtgtctg 720
ggacgcgaca ggtacagcgt cttcacccac cggggcagga aggtaccgcg ctcc 774

<210> 17795
<211> 603
<212> DNA
<213> A.fumigatus

<400> 17795
ggcgatgatt atcatctatg gagtacggag tatgctggtt gccatcaaca cttgaatcct 60
catttctgca atctctacac tgtgtatgtc gtgacaaagg acctgtcctg cacggccatg 120
cctccgagac ctgatcttct cagtccttcc ctcctctccc cgggtgatta cgacgatgat 180
gcctcctcct tgcgatccct atcagagcag gactctgact ccgacgacga tgaattcctt 240
cgcaaggctc gcactacact agagctagcc gaacatgatc gtgcagttct ggaagaggag 300
gaagagatgg agaaattgtt ggtcagaagc gggccagctc atggtctgcg acgaatcttc 360
agcccgaacg gcagcagcgt caagatcggg aaatacgagc ggaatcggga ccgaaggagg 420
aagcgccacg atgagcgcaa acggcgtcgt cgtagtgcgg taggggaaaa tggagagcta 480
acgtacgaaa tggaagaggg ctatcgagag tccgaatcct ctctcctgag cggctcgtca 540
tcggagctag accagaggct ggagaagcag tatgcgagta ttcgagtaag ggcggacttt 600
tag 603

<210> 17796
<211> 399
<212> DNA
<213> A.fumigatus

<400> 17796
tgggtggtga gtagtctctc aatcgtcatg gtgtcgtcgt cgggaatgct gaactccctt 60
aggccttctg gatgggcttt cttcgtcggt ttgctgcagg cagcttacac cttgacgggg 120
tacggcatgg tcgctgccat gtgtgaagaa gtgcagaatc ctcatcggga gggtccccaa 180
ggcaattgtc ctttcggtcg tcgccgccgg tatcaccggt ctcatctacc tgatccccat 240
tctcttcgtt ctgccgaccg tgaaggactt ccttcagtgt ggccagtgcc caacccatcg 300
gcctcatctt caagacagcg actggctcgg ccggtggtgg gttcggcttg ctgttcctca 360
tcctcggtat tgccatgttc gccggcattg gctccctga 399

<210> 17797
<211> 276
<212> DNA
<213> A.fumigatus

<400> 17797
gcatttgccg cacattgcct gcactgcgcc actgatcttc ccacttgggt gctgcccctc 60
cttttatgtg actgtttctg tgatgatgct ttcccatatt tgctcctctt agctctcacc 120
gtcttttctc tcacccctgt cgtcctcatt caccgtgccg ggtctctcaa gcatgattcg 180
acccactgga cttactcttc gcttgcgatc atgcggactt cacacagcac acgacccgaa 240
gcgaatctta aaaaaagctc aaaggagata aaatga 276

<210> 17798
<211> 585
<212> DNA
<213> A.fumigatus

<400> 17798
tcggtcgcat gtccaaacag ttcctttgcc atcatggccg cgcccttcgg tctcagcacc 60
accatgtaca tcaccctgac cgacggtcaa tccgtcacca taatctgggg ctgggtcctc 120
gtcaccttga tctcgatcgc gatcgccgcc tcgctggccg aaatctgcgc cgtctacccg 180
accgccggcg gcgtgtacta ctggagcgcc atgctgtcga ccaaggaatg ggccccgatg 240
atgtccttca ttgacggatg gttgacactc gtcggaaact ggaccgtcac gctcagtatc 300
accttctcga ccggccagct gatcctgagt gcgatctcgc tgtggaacga ggactttgtc 360
gccaatgcgt ggcagaccat cctgatgttc tgggcggtgg tgctcgtctg tgcaatggtc 420
aacatcttct tctccaagta cttggatttg atcaacaaag tgtgtatctt ttggaccgcg 480
gctagtgtga tcatcatctt gatcgttctt ttatcgatgg cggataatcg gcgggatgcg 540
gcgtttgttt ttgggcatta cgatgcgtcg gatagtgggt ggtga 585

<210> 17799
<211> 585
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (548),(562)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17799
ttgaatccca cagaaggcga tgtggagggc gtcatggacc gacccgtcgg gaacactgct 60
gatgtctacg cggaatgtga gaaatggtat gctggtcctt tcgcttttt gtttgctggt 120
cttatcgggc cgatgctgat cagacgcagg gacgcatggt acgcccagcg cgggctctcc 180
cgcacggagg ccaaacggcg ctacatctcc accctcatcg acacaatgca ccggtacgct 240
tcgcagaccc ccgaggcgcg cgagctcgtc gcggagctcg agttcgtctg ggaccagatc 300
aagtcgaata cctcgtcctc gtcctcgtcg agccccatgc agaatgtggg tgtgccgccg 360
ctaccccagc cgaactatgc gagtatcggg ggccggttgg cccgtccgat ctacgaggat 420
atcattgcta ccgcgcggga taatcacagt cgggagcgga accatggaga ttccaggtta 480
cgtgtactca gtccggtgag tcagcctgat gggctgtatg agcggcgcgg gcacaaggac 540
ctggggtntt cgcgtcgggg cntgccagat ccgaaaatag ttaaa 585

<210> 17800
<211> 297
<212> DNA
<213> A.fumigatus

<400> 17800
tataactccg gtactgatct caaaactttg ctgcaccatc ttctagacat cgccgaggcc 60
atgcacgcgg ccactgttga tgccagcgcc gacgcggcgc tggccaggat gggctataag 120
agcgaattac ctcgtaatct gagcatgttg agtattctcg gactgtgcgt gattcttcaa 180
gacgtcttct ccctgcgtgg cactggtgca gctactgatc ggtcgcatgt ccaaacagtt 240
cctttgccat catggccgcg cccttcggtc tcagcaccac catgtacatc accctga 297

<210> 17801
<211> 723
<212> DNA
<213> A.fumigatus

<400> 17801
aggacttcct tcagtgtggc cagtgcccaa cccatcggcc tcatcttcaa gacagcgact 60
ggctcggccg gtggtgggtt cggcttgctg ttcctcatcc tcggtattgc catgttcgcc 120
ggcattggct ccctgacggc ggccagccgg tgcacctacg catttgcccg tgacggggcc 180
atccccggat tccgcatctg gcgcaaagtc aacaagcgcc tcgatgtgcc cgtctatgcc 240
gtcttgctct ccgccgcggt cgactgcctc ctgggcttga tctacttcgg ctcgaccgcg 300
gccttcaact cgttcaccgg tgtcgccacg atctgcctgt cgacttcgta cggtcttcca 360
atcctcattt ccatggtccg tgggcgccgg gacctcaagg aatctacctt ctctctcgga 420
gcattcgggt atgcgatcaa cgctgttaca gtgtgctgga tcgtcctggc ggtagtcctc 480
ttctgcatgc ctgtctccct gccggtaact gccagctcga tgaactacgc cagcgtcgtg 540
ttcgcggggt tcgcgacaat cagcatcatt tggtacattg tctatgcccg caagcatttc 600
actggaccac ctgcgtcggc cgaagaagta agggcgcggc ctgtgatgac aggaaaagcg 660
gttgtagatg ccgagaatgc atattcggat ggatcgatgt cctccaagaa ggtggagcaa 720
tga 723

<210> 17802
<211> 885
<212> DNA
<213> A.fumigatus

<400> 17802
cgttcttatt gtggtgatac atatagaaac agatgggtgc tcgatggata ccttcatctg 60
caccaggcac agaaagagct cagtacacag aaaaaagaaa ctagtacaac agcaggaaga 120
tcattgctcc accttcttgg aggacatcga tccatccgaa tatgcattct cggcatctac 180
aaccgctttt cctgtcatca caggccgcgc ccttacttct tcggccgacg caggtggtcc 240
agtgaaatgc ttgcgggcat agacaatgta ccaaatgatg ctgattgtcg cgaaccccgc 300
gaacacgacg ctggcgtagt tcatcgagct ggcagttacc ggcagggaga caggcatgca 360
gaagaggact accgccagga cgatccagca cactgtaaca gcgttgatcg catacccgaa 420
tgctccgaga gagaaggtag attccttgag gtcccggcgc ccacggacca tggaaatgag 480
gattggaaga ccgtacgaag tcgacaggca gatcgtggcg acaccggtga acgagttgaa 540
ggccgcggtc gagccgaagt agatcaagcc caggaggcag tcgaccgcgg cggagagcaa 600
gacggcatag acgggcacat cgaggcgctt gttgactttg cgccagatgc ggaatccggg 660
gatggccccg tcacgggcaa atgcgtaggt gcaccggctg gccgccgtca gggagccaat 720
gccggcgaac atggcaatac cgaggatgag gaacagcaag ccgaacccac caccggccga 780
gccagtcgct gtcttgaaga tgaggccgat gggttgggca ctggccacac tgaaggaagt 840
ccttcacggt cggcagaacg aagagaatgg ggatcaggta gatga 885

<210> 17803
<211> 186
<212> DNA
<213> A.fumigatus

<400> 17803
gctgcctgca gcaaaccgac gaagaaagcc catccagaag gcctaaggga gttcagcatt 60
cccgacgacg acaccatgac gattgagaga ctactcacca cccactatcc gacgcatcgt 120
aatgcccaaa aacaaacgcc gcatcccgcc gattatccgc catcgataaa agaacgatca 180
agatga 186

<210> 17804
<211> 201
<212> DNA
<213> A.fumigatus

<400> 17804
atattcctga gttcattatc tctgatgtcg atggaattcc cttatctcca ttctacagac 60
aacatgcttg attcggtcca gatgtcaatc tctagctaca taatgatcat gctcgttcaa 120

tactttcaac tgttaaacca tgactacgtg aaaaaaatgt ctagcgcagg acagaggaga 180
agtagtgcaa tatgcaaatg a 201

<210> 17805
<211> 1074
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (97),(101),(151)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17805
aacgggaaac gcaccacgcc acttgggcat tttttcaata gaaggttcga tttaaatttt 60
gtcccaatgg cgtccccccc acccaagcat caatgtnatt nttgcccttc ggcagcgggg 120
tcggaacatg acctccggtt acctcccgat ntgtatccga cttcccacaa tccccaagtt 180
gacgcgatta ttcgaacaaa acggaaggcg cgcgagccca aagcatgtta tccatgccat 240
gcacgcaaag ttaaatgcga ccgcaatctt ccatgcgacg gctgtgtcaa gcgcgaccat 300
cccgatatct gctcgtatga gcggccgtcg aaaaaaagaa tcatagcgag ttcagtccct 360
ccgtcataca acgacagccc cgccggagcc tctcagcccg atgtggcgga gcacacggtg 420
tcggctgccc aggaggagcc tcatctgcgg atcaagcagg aggccggagc aagtcggatt 480
aactccttgg gattcaggca ccgcatatct attgcgcggg aggagtggga caatgttcgc 540
aacaggctaa aggagatgga gaagaccatt tcgaacctac gagctggact ggaacgggcc 600
gaggagggcc ccggtgggat cctggagacg gccagtgcgc atagcgcgga tgagggtaat 660
cggtccaagg ctggttctcc ggaacgggag ggcattcatg cagcgaacac attgggcgaa 720
ggcaccgtgc acttgggatc tcgatccgtc cttgcgtaca ttctcaacaa caagtccggg 780
tctgatcagc tccaagctct ccttgagggt ggaatcctgc cgaagttggg tctcgacaat 840
gagtccgcca catatccgtt tgttgatttg tggtcgtcgg atatgtcaac ctttgacatt 900
agcgcagtct gcagtgcgct tccaaatgat cagcagtgca aggagtcagt tctttacctg 960
tggctgggat gttatgcgcc tcgttggatg ctaacgggct ggcagatttt tcttctacta 1020
tcgcgacgtc gcaggcgcca tttaccctgt catcgaagat atccagcagt ttga 1074

<210> 17806
<211> 186
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (65),(101)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17806
ttgaaatcga caatgtcctg gagatgtctc ggcagcgaga cgcgggagtt caggaccggt 60
ggttntggaa tgactctagt gcgtctaggg ttacgatcca ngggagatgg tggtttcgac 120
ggctatgtcc ttgtttttttt gcagaccttg gatgtcacgg gcttttcgat tcgaggagga 180
ctgtga 186

<210> 17807
<211> 480
<212> DNA
<213> A.fumigatus

<220>
<221> unsure

<222> (11)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17807
agtcattcca naaccaccgg tcctgaactc ccgcgtctcg ctgccgagac atctccagga 60
cattgtcgat ttcaactaca ccgtcaaagg acaagttgga gtatgacgca tttcacgacc 120
ttgctgagtg agcctcgcgc caagggtctg ttcaggggtg ttgtcggcag atgtgtgatg 180
tccgcgcgcc ttgcgagcac gatatgtgac ttacggatta gagacatcct cggcacgggg 240
acggtaaatg aatccatgga agggagctat ggaaatttgc ttgatatcat gcaggttggc 300
aaggtgcctt tggcgttatt ggatgcgtcg ccgaggcgct tcgtgcagaa tggggatctg 360
cccaatgaag ccagcaagag cggttcagta gatagatgta tttcagtcat gaaagaaaca 420
ttccaggtcc ctgtgttgca ataccatgaa gctggagtgg attatagatt catatactga 480

<210> 17808
<211> 984
<212> DNA
<213> A.fumigatus

<400> 17808
aagaacatcg agttattctt ctgcctttat gcacgtcact ggaacaatgc gccacaatgc 60
aattcatccc actcccggct cttgggattc ttccagtgct taccatcgat ttggcgagcg 120
ttgcaatgcc tccgacgtta tggagatacg aaaaacgtat ttccacatgt cgtgaatttt 180
ggcaaataca tgttcggagt catttattac gccacgttga gcatgtaccg tatcgagaag 240
atgacgcggt tccaggctcc ctttgtcact tttgctttgc tcaacgccgt ctatacctca 300
gtttgggact tgattatgga ctggagtttg ggcaatccct atgccaagca tccactattg 360
cgcgaagttc tggcattccg aaaggtttgg gtctactacg ccgcaatggt cgccgatgtc 420
atcatacgtt tcaactggat ttactatgct atttttgcca gggatatgca acactcagct 480
ttactgagtt ttatggtcgc cctgtctgag atctttcgaa ggggcgtctg gacgatattt 540
cgcgtggaaa acgaacattg caccaatgtc cttcttttcc gagcatcaag ggatgtccct 600
ttaccctatg aagtggcctc tcccgaagtc gaagcggacc atccaggaga ggatgtgcaa 660
cttcaggatc aacacgccac cacaccactg tccgctcctg cagacattga acagggaacg 720
ccaattccgc cagggctgac tactcatccg cgcggcctct ctcgcgttgg ttcgcttatg 780
gcgactgctc acgctcaaga cttcgagcgg aggaagcgtc cagatcaact gactggggct 840
tctgcaaccc acggcccgac aacaaccgac gacacaagcg acgaagagga agatgatccg 900
gttgactcta gacaagatac cgacacagac gaagccatgt cagaacgctt gtcagatgca 960
aatgctcaaa tctcacccaa gtaa 984

<210> 17809
<211> 1569
<212> DNA
<213> A.fumigatus

<400> 17809
tttttctccg agcagaccgg caagaagaaa gtcaaagcca tcgcccgggc aattcaaaag 60
accaatcgaa gtcctcggca tccgtctctc agacgtacag ctattggacc tggtgatccg 120
actattacac cctctggcac gcttcgctcc tcaccaggtc aaacctcaga caacaagaga 180
ctcgaagctt ccaactcatt ccgcagcccg tccatcccga tccgggccga tgcccatgcg 240
acgacgtcca gatcgactcc tggccaacgc gatgaacgtc agcccttgcg agtcccagga 300
tcgcgtttct ccgcagtcct gggaagttac ggcagcatca tagcgtcacc cccacaacat 360
ggcgcagctt cggatttggt ctctctagag ctccctgacc cagcactcga tccgaaggat 420
gatatgtcct attcgccctc agcagacaca atacgtcgag gtgtaccgaa aactccatcg 480
cccgtgatgt ctcggtgcga caccaatcga agtctgtctc gtgatgccgc cagtaaaagt 540
cctgccgcaa agttcgcggg gagcaaggga agcctgagaa acaatttggc agggccttcc 600
actaccaggg cttctcaaat ccttaagcgt gtcttctcgc atccagactg gggaccgccc 660
gagaaacgcg cggaggctga cactccagta tcggaggtcg agcgacgaga ggatgaattt 720
tttgcgtttc tggacggcga actcgccaag atcgaatctt tctaccagat gaaggaggat 780

gaagccaccc agcgcttaca agtcctccga caacagctgc atatcatgcg agataggcgg 840
atacaagaga ttttgggcac caaatcaaaa tccaaaaaag atgaagcgca tcagtccaac 900
gggttcagca cactgaatgc tctcagtgcc tttcacctga aggaaacatt gctggggcgt 960
ggccgcatcg ggaagaattc cgaagcgctg gcgcagatga actccccggc cgcacttcaa 1020
gcgcagaatc ccgaggcagt ctcgggtcgt agagacttca tgcgccggcc agaggactca 1080
cagaacgatg aagtcaccta tcggtttgcg aaacggaagc tgaaatatgc actccaagag 1140
ttctaccgcg gccttgagct gttgaaggcg tatgcctacc tcaatcgcac tgccttccgg 1200
aagatcaaca agaaatatga caagctggtc aacgcacgcc cgacgatgag gtatatgtca 1260
gagagagtta acaaagcatg gtttgttcaa agtgaagtcg tagagaacct gatggctgct 1320
accgaagacc tatatgctcg ctatctcgag catggcaatc gcaaaatcac catctccaaa 1380
cttcgccata cgaccaacaa gtcaggcgat tattctccaa acacgttccg tgccggtctt 1440
ctttcaatgg ctggtgtctt gtttggcgtc cagtcgttga tttacgccac tcggcacctt 1500
gagcactcgg accctagtgt acaggtccaa accagctatc tacttcaggt cagtgtcgcc 1560
tcgcaataa 1569

<210> 17810
<211> 312
<212> DNA
<213> A.fumigatus

<400> 17810
tggcgtcttc tgctcgctgg tttatatcct gttgagtttc gcgatttctt ccttggcgat 60
atgtattgct cgcaaactta cgctatgggg gtgagttcta tccaatgcat ttcaaaagat 120
agtttgttaa tgtttgaaag aacatcgagt tattcttctg cctttatgca cgtcactgga 180
acaatgcgcc acaatgcaat tcatcccact cccggctctt gggattcttc cagtgcttac 240
catcgatttg gcgagcgttg caatgcctcc gacgttatgg agatacgaaa aacgtatttc 300
cacatgtcgt ga 312

<210> 17811
<211> 270
<212> DNA
<213> A.fumigatus

<400> 17811
caattccacc tccctctgtg cataaccatg aattcactta ctgtgtctcc taacgcccta 60
tccgcagaga tcgagctcta cagattagag cagcgctatg ctcgtcgcaa gcaccgcagc 120
acattctccg gcgtccaata cgtcgacggc gaatatgtct actccaacgg ctcgaactcg 180
ccaacaggaa ctgtctccaa acattcaact ggcagttact ggaagacccc gacctggggt 240
ggttccggtt ccgagtcgcg atggcggtga 270

<210> 17812
<211> 342
<212> DNA
<213> A.fumigatus

<400> 17812
gcgatagctc cttggcgcct aaatatacaa gaaactctaa caaacatgct tttagacgga 60
gttacccgaa tcggagctac tctatttcaa gagcttcgca acgctgtctt cgcgagcgtg 120
gctcagaaag caattcggag ggttgcacgg aacgtctttg agcacctgct gcgtttggat 180
ctcaactttc acctcagtcg ccagactggt ggattaacac gagcaattga ccggggaaca 240
aaaggtatca gcttcttgct gacgtccatg gttttccatg tagtgcctac tgctctggaa 300
atctcgctcg tttgcggtat cctggtaagc cgcagtaatt ga 342

<210> 17813
<211> 1053
<212> DNA

<213> A.fumigatus

<400> 17813
acataccaat atggattcca atttgctgca atcacagcgg caacgatggt ggcatacact 60
gccttcacca tcacaactac tgcctggcga accaaatttc gaaaacaggc taatgcggct 120
gataaccgtg gagcgacagt ggctgtcgat tcgctgatca actacgaagc tgtcaagtac 180
ttcaataacg aacaatatca ggtggcgcgc tacgataagg cactcaaggc ttatgaggat 240
gcctccatca aggtgacgac gtctcttgcc tttctgaatt ccggccaaaa tatgatattc 300
tcgagcgcgc tggccgcaat gatgtacctt gccgccaacg gagtcgctaa cggaaacttg 360
acggttggcg acttggtcat ggtcaatcag ctcgtctttc agctctcggt gccccttaat 420
ttcctcggat ccgtgtatcg tgaacttcgt cagtctttgc tagatatgga gacgctgttt 480
aatctccaaa aggtcaatgt caatatcaag gagaagcccg acgccaaacc gctccagctc 540
cacaaaggag gcgagatcag gtttgaaaac gtcactttcg gctatcatcc cgaccgtcct 600
atcctcaaga acgctagctt cacaattcct gcaggacaga agtttgctat cgtgggccct 660
agtggatgcg gcaagtccac catcctgaga ctcttattcc gattctatga tgtccaggaa 720
ggtcgaatcc tgattgatga tcaagatgtg cgtgatgtat ctcttgagag cttgcgtaaa 780
gcgattggag ttgtgccgca ggatacgcca ctgtttaatg acactattgc ccacaatatc 840
cgttatggaa gaatcgatgc aaccgacgag gaagtacaca aggccgcaca acgagcacgt 900
attgatgctt tgattcagaa attgcccgaa gggtatcaga ctgcggtggg agaaagaggt 960
atgatgatat ccgggggcga gaagcaacga ttagccatct cccgtctgat tctgaaggat 1020
ccggagctct tattctttga cgaagcggta tga 1053

<210> 17814
<211> 318
<212> DNA
<213> A.fumigatus

<400> 17814
acctccgccc tggacacata cacggaacag gcactgctgc aaaacatcaa cagcatctta 60
aaagagaaga agcgcaccag tgtgttcgtg gcgcatcgac tgcgaacgat ctatgacagt 120
gaccagatcc ttgttctcaa ggatggacgt gtggcagaaa tgggatccca ccgagaattg 180
ttggatctga atggcattta tgctgagctg tggaatggtg agtgtactcc gcaggaatat 240
gaaggtacgg attggactgg agctaatgat agattgtgca gcgcaagaaa tgtctctagc 300
acaagatctc gagtttga 318

<210> 17815
<211> 471
<212> DNA
<213> A.fumigatus

<400> 17815
acccctctcc actttgtgac atccagctta cagacaatcc agtatgacac cagcggcaaa 60
ctcgccggca gcactcccga agaacgcgcc actgtcaaca agtggctcgc ctggcaggtg 120
tccggtctgg gcccctacca gggccagcta gtctggtttc tcgccttcca cgagggtgct 180
cacggcgaga agcccaatgg ctctgtgatt gcgcgctacc aagcggaggt ggagcgcctg 240
cggtccgtgc tggagaagca cctcgcgtcc gcggagaacg ggttcgttgc gctgggccgt 300
ctgaccatcg ctgactttgc catccttcca tggttgaaga tctcggtgct ggctgggtct 360
gcactcaagt cgtttgagga ataccccgct atcaacgctt acattaagaa gctggatgca 420
ctgccggaag tgcaggctgc ttacaagaag gctgttcctc ctatgcagta g 471

<210> 17816
<211> 1713
<212> DNA
<213> A.fumigatus

<400> 17816

gcctttacta attgctattg cgcgtgtact ggtagccctg accattcgtt gcctccatca 60
tccatagcaa aaatgttgtc caacaccatc acgatcgttc ccagcatcga aacccgggtc 120
gttgagcccc tcccgcaatt tgatacctcg cgccggttga gcttccccgt gagccttccc 180
ctcgattcgc tggcgggggc gagaaagaag gccgcaaatg aagctcttgt cgaacgcatc 240
gcggagatca tcgcctcata ccgcatcagc ggacctgacg accggtatga ggttgtatac 300
aagcccaagc tgctcgacac gctgcggtat tttgtctcca agcaggaacc cgtcaacatg 360
gtggtccccg catacccgtt caagagcccg aaccgggacg agaaagtgct tgggcccgac 420
ccggatgtcg gcgagcgcat gtccctcgag catttcaact cgatgggtgc gcgcattcag 480
cagatctacc cgcctggggg atatgtgacc atcgtcagtg atgggtgctg ttataatgac 540
ctgcttggcg tgtcggacga agaggtcttc cgatacgcag agggcctgca ccgcatcgtg 600
gaccggctgg ggctgaagca tattaaattc tccgaccctt tcgacctgat cgagggacgg 660
cacaatgtcc ccgtcactga ggaggaatac gccagccgca tcggcgagct gaaggactat 720
ctgttccgct cgtaccaccc cgatggctac gactttgacg aggaactgag caaagatccc 780
aacgcggccc tgacatatcg tggctacatt cggtttctca tgtccgatct cgccctcttc 840
ttcaaggaga gacagatgag caagaacgcg atcaagaaac actgctccac cgtcgcccgc 900
agcatgatca agcgcggcaa ggcattttcc gccctcgtcg ccagggcctc tcccttgcac 960
gtccgactct cgatccacgc cagcgacaac acgggcaagc tttccgttgc cctgctgccg 1020
cacaagcggt acagcacttt cccggtcacc ccctggcaca acacacccta cctggacacg 1080
accagcgtct cactcagctt gagccggaag cccacggacg gggccacccc ttaccgtctc 1140
tgccaagacg agctgggcct tcacttcctc tgcgcggatg tccccatgta ccgcgtcatc 1200
gaaaccccgg acctcccggc gctcgcccag caagtccaat tccagccgct ctacccgttc 1260
gggctcagga tcaaggtccc aaggggcacg cccatcggcc aattccgcct ggagcgggtc 1320
gcggaactag ccaaggtgca ttcccccatt atcttcgagg gactggaccc gatggagtac 1380
accgctgcca ttgcggatga cttccagcgc gtcgccggcg gcacgatgtc gctgagcatc 1440
ttacatgagg gcgtcgcaac gaccgccaac acagcaagac acctgggcgg atccgcagcg 1500
gcgtcgtatt ttttgcagat ttcggccgcg accggcgacg atgcgcagcc tgcgcttctg 1560
cccttcctcg cggcggctgc ggcgctggac gatgtgcggt atcgtgtgtt gcatcactgg 1620
caggccggcc atgcagttgt ctcggaccac cgggttgcgc tgccagtgca tttgagtccg 1680
tccagtttga gggtgctaca tgggggcgtt taa 1713

<210> 17817
<211> 213
<212> DNA
<213> A.fumigatus

<400> 17817
tacagctgtg ctggtgatgg gcttgcgcct ggctctgaag tttctgctct cagcttgatc 60
aatgccgctg ctgccgctcc tatgtacgtc cagcacactg ggctgagacc ctcaagtacc 120
aaccactgga ggtattctac ccacggtatc cgtcctccgc ggaagggcct tgcccctaag 180
caccgcagga cgtctttgcg tccttcaagg taa 213

<210> 17818
<211> 351
<212> DNA
<213> A.fumigatus

<400> 17818
gagcccatga cgaggtacga atacccgaga cttgccctca tttccacaat ttctgggatt 60
tgcataagct cagctaagtc ttcgatgcag ggcagcataa ggcttccacc tgagaggaca 120
ggatccagtt gtcgtgatgt tggaatgcta ggagttttgc tccatgttat cggagatgca 180
gtgaacaatc tcggcgttat gattgctgca ctggtaatct ggttcacaga atatgaagga 240
cgatactacg ctgatccagg agcaagttta tggatcggcg tcataatcat actgtcttct 300
cttccgctcc gtatgttatc ctccatccgg ggagttgtta ggtggtgctg a 351

<210> 17819
<211> 309

<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (239)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17819
acctcaatca ctattctcct cttagataac aatactaacc gcatgcacag gtgcgttcgc 60
ccccatcccc cagtcacccg agccctgcgc cacgccaaag aaaagctcct cgcagccggc 120
ctaaaagtcg tagactggga accctaccgc cacgaccacg gctgggaggt tatcgtgcgt 180
ccttcctcat tctcccctca tcccttgcat ctgctaacta acaagtcaag tcatccctnt 240
acttccccga cgccgccaac agccaacgca ccgtcctctc ccaaagcggc gagcccctcc 300
tccccctaa 309

<210> 17820
<211> 609
<212> DNA
<213> A.fumigatus

<400> 17820
gaagaggaag ctactgctac tatcgaccgc gactgggggg gtgttcgtcg accctacagc 60
cgcaaattcc agtggcttcc ctgtgacgtg catttcactg acaatggcga atgtcgcatt 120
gcgtcgtata taaataacct gcatccgaac aaacatcgcc agctgtacca agtcatcgag 180
aagatcctgg agcacaccat cccgctgtgg aacaccacct tgaccctcgt gcgggataag 240
tacaagcgaa tcccctacaa tgaagtccaa tatgacgagc atcccgagcc ggagccgcag 300
ccagaaaacg aggaagacga gcatagtgac gaatattatc aacgatacga cgaatggcaa 360
aagcgagagc ccatccgacg cccggaaccg ggcgagttcg ctccccatgt aaccgaggcc 420
aagaagcagg tcaacctgca caaggacttt gccgagagag gcttgcaagt gatcattaag 480
ctggccaata tcgagttgac accggagaag cccgagtacg agggcggatc gtggcacgtc 540
gagggacaac tggtatgttg ctttgctgga gcacacaagc acacacacac acacacacac 600
acacactga 609

<210> 17821
<211> 609
<212> DNA
<213> A.fumigatus

<400> 17821
ctttcacaga atgagcatat ctgcgcttca gccatctact actacgacag tcagaacatc 60
accgacagca gactcgcatt ccgacaacgg gcggatacag aagaagtctc acatatctcc 120
tatgaccaat cgcgacacga attcctccac gaaatctttg gcttggataa tgaggcgggt 180
tggaacgagg gcaatgtcac tcaattcctc ggcggggtgg acactcgtca aggacgcttg 240
ctcaccttcc caaacagcct gcagcaccag gtgtcgccgt ttgcgctggc agatcggtcc 300
aagccaggcc atcgcaagat cctcgctttc ttcctcgtgg acccccatct ctcgattatt 360
tcttcagcga atgtgccacc tcaacaagag gactggtgga aggaacggca ggaggttgtc 420
gggaagttgt tgagcgagag actcccggct gagttgcaga atatggtcaa tgagggtctc 480
gacgctacgc caataacttt ggaggaggca aagcagtacc gcaaggaatt gatggaggag 540
cgctccaaca aggcgcagga acagaaccgg gactttgaaa ggggggagtt taacttgtgc 600
gaacattga 609

<210> 17822
<211> 315
<212> DNA
<213> A.fumigatus

<400> 17822
tacatcatgt ctgtacaaaa ttgggaaatt cgagcacgtc gtgctaaaga cgtacttctg 60
aactcagttc ccaaacaatg gatccttccc gcacacaaac tgcctccggc gcaccagaaa 120
aatgtcgaag actttcctcg aaagagcggc atcctcagtg atagagaagt ctctattacc 180
gagatgtctg ctaccgcgct tgtagcaggt atgggagcgg gcctattgag tgccgaggaa 240
gtggtcgttg cgtttctcaa acgagctgtc ttgggccacc agttggtatg ctgcgcaacc 300
agaagcgacg tttga 315

<210> 17823
<211> 243
<212> DNA
<213> A.fumigatus

<400> 17823
ctcaattttg ctacggagtt catggcggag agagccattt ctagggctaa aaagcttgac 60
gagtacttca agagaactgg aaagcttgtt gggcccttgg taggttggcc tatcatgtca 120
aaaagagcaa acgcccctaa cggcgagtct actgtagcat ggcgtcccca tcagcgtgaa 180
agagcatatc gagatcaaag gtcgaacctg caatgcaggc tttgtggcat ggtacgattc 240
tag 243

<210> 17824
<211> 501
<212> DNA
<213> A.fumigatus

<400> 17824
ggaacgcaga gcatagaagc actgacacag caaacaaagc tttctgagat cgacgatccg 60
ccgaagattc tggccttcgg gtggcagcga gcaccagtac tgggagcttt ctttaacgga 120
gcgcttctct ttgcgctggg aataagcatt ctattgcagg ctgtggagag attcatatca 180
ttgcatagtt cgtgcctgcc ttcaacgtgc aggcgactca ctgatatttt acagagatcg 240
agaatcccag actcatgttc attgttggat gcgttggctt gggtcttaat atcctcagcg 300
ctcttattct tcatggcagg cttgtctttc tggatgtgca gtcccgttgc taatgtcaag 360
gcattagaga aaagttccca tacccatcga cacgcgttag atacgtcgac agactcgtcc 420
ataggagccc atgacgaggt acgaataccc gagacttgcc ctcatttcca caatttctgg 480
gatttgcata agctcagcta a 501

<210> 17825
<211> 225
<212> DNA
<213> A.fumigatus

<400> 17825
attcagggag tgctgtcgat tcatgagatc aatgtgtggc atatcagcca gcacaagtcc 60
ttagccgtca ttggagtgct cctcaccgat caacaagtcc cagggtccac caaggtgatc 120
agcatggtca acgagtgttg tcagaagtat ggcattcaat ctgttgctct tcggcagaag 180
ctacattcac aagaattgtc attggcagcg ttagacagaa tttga 225

<210> 17826
<211> 462
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (430)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17826
catctctgct gcgacaacaa tctcaccggt cccacgagga acccttataa ccgcaccctc 60
acacccggcg gctcctcagg cggcgagggc gcctcaatgg gcttcaagtg tgctgctctc 120
ggtgtcggta ccgacattgg cgggtccatc agagcccctg ctggcttctg cggtgcatat 180
ggattccgtc ctaccgctct ccggatgcct gcgacaggaa tcaaagtccc cggcccagga 240
caggagtcca tccacggcac cgccggaccg ttggcaagcc aaagtgtcga agatctaaat 300
ctcttccaac gagccgtcat cgaccaggag ccatgggaga cagaaacatc cctagtcccg 360
ttaccctgga ggcaggtaaa agccaccaag aacatgacgg ttggcatcat gtgggatgat 420
gggtattccn taaacctcaa tcactattct cctcttagat aa 462

<210> 17827
<211> 291
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (18),(286)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17827
caagtcaagt catccctnta cttccccgac gccgccaaca gccaacgcac cgtcctctcc 60
caaagcggcg agcccctcct ccccctaact gaatgggcct tcgcctacag ccgcgcctcc 120
ccgctcagca tccccgagaa ctgggccctg aactgcaagc gcgacgccta ccgcgacacg 180
taccacgccc tcatgaaatc ccgcgacgta gacttcatcc tctgccctgt ctatgtcggc 240
gcggcgggtc ttaaccagcg ggctggaacg aaatgcgtac aaatcnccgc g 291

<210> 17828
<211> 1356
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1168)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17828
gaccatccca acaatatctt gctgaccgat agttcgttta taggcctttt ggtcttctgg 60
cactcttatc gtctactgtt cctggtcgct ctctcaaccg tcttcgtcgg tttacgattc 120
taccgcaaac ttcagtccag aacaaaaacc actgcctcgt cttcagttcc gccatcaccc 180
cgaagccaat cccccgaaaa gacagagaaa ggcgtctcgc gtgagagcag caacaaagca 240
acggcacaga aggctgaaca gcaacccgcc ctggccaacg gttcagcaaa acccacttca 300
ggtccgaaga gagttaccgg taaaaaacca tcgaaggttg ctggacgacg aggacaaaca 360
gaggatgcgg agccccttgc ctttatccaa cccatcatct tttacgcttc tttgactggc 420
aacaccgaaa gatatgctaa agtactgctg gatgaattgc gcgttgcggc gcaaaagcgg 480
gctgatttgc gggatcgcga gcgtggcctt ctgcccctc agatttacga cctctcctat 540
gtcgatctcg acgactactt cacctctgca ccgaagcctc cgccaacctc gcccggtaca 600
cgttacgtat actgcttatt gatccctacc tacaacatcg acagtatcct gaatacgttc 660
cttgaccatc tcaacgagac tcataatgac ttccgcatcg acacaggccc tctgtcgagt 720
ctcgccggtt actctgtttt cggatttggt gataaggaag gctggcctac cgaggaggaa 780
ggcttctgct ctcaagccaa agagctggac aaatggatgg ccaaactaac ggggcggaaa 840
cgagcatatc ctttgggatt gggtgatgtt aaaagtgacg ctgaaacctc cttgaaagag 900
tggtctctgg gattgcaaga catccttttt gacatcctcg agaatggtgg actgggagaa 960

ggcgtacctg gcagtggaga tcccgtggaa agtgacgagg aattgaacga tgaagacaca 1020
gacaaggaca atactcaaaa cgtcatggac ttagaggaca tcaagtttgg aggtgatcag 1080
aatgcggccg ggtcgccaat ccccgtggat ttcacaacta cagggaaatc ttcctctgtt 1140
caatcgaccg agaaggagat ggttccanag acatcaacga catacgctgc tctgacaaaa 1200
caaggctaca cgatcggtgg gtctcattct ggagtcaaaa tctgccgctg gactaaatct 1260
gcgctgcgtg ccccgaggtt catgctacaa attctccttg tacggtatcc gatcacatct 1320
ttgcatggag gctacaccgt cgctgtcttg cagtaa 1356

<210> 17829
<211> 1131
<212> DNA
<213> A.fumigatus

<400> 17829
caaaacaagg ctacacgatc ggtgggtctc attctggagt caaaatctgc cgctggacta 60
aatctgcgct gcgtgccccg aggttcatgc tacaaattct ccttgtacgg tatccgatca 120
catctttgca tggaggctac accgtcgctg tcttgcagta ataagtgtgt cttctgctgg 180
cgccacggta ccaacccggt cggaactact tggcgttgga aagtggattc tcccgaattg 240
atcttccagg gagttaagga gggccattac aagaagatca agatgatgcg tggcgttcct 300
ggtgtgcgag ccgagagatt cgcagaggcc atgcgcatcc gacactgtgc cttgagtttg 360
gtcggcgaac cgatcttcta tcctcacatc aatgagttcc tggacctgct gcacggcgaa 420
cacatctcca gctttctggt atgcaatgct caacatcctg atcagctcca tgctctgcgt 480
cgcgttactc aactatacgt atctatcgat gcaagcaacc gtgagagttt gcggaaaatt 540
gatcgcccac tgcatcggga tttctgggag cgcttccaac gttgcttaga cattctacgg 600
gagaagcgcc atgtccagcg cactgttttc cgtctgacct tggtcaaggg attcaacatc 660
gatgatgaag tcatcggcta cgcagatctt gtggaaaagg cacttccatg tttcgtcgaa 720
ataaaaggtg tgactttctg tggcacaagc accacggctg gagttggctt gaccatgcag 780
aacgtacctt tctacgaaga agtcgcccag ttcgtcactg ctctcaacgc cgagctgcag 840
cgccgtggcc tgaagtatgg catcgccgcg gagcatgcgc acagttgctg tgtgctgatt 900
gcctcggaac ggttttacgt caatggcaaa tggcacactc ggatcgatta cgatcgattc 960
ttcgaacttt tggagaggga gaaggccgat ggcacgtctt ttacccccga agactatatg 1020
agggaaaccg aggactgggc tctgtggggt aatggtggtt tcgacccgaa cgatcagcgc 1080
gtatacacca agggcaagaa gaagcatatg cagatcacgg cagagccttg a 1131

<210> 17830
<211> 2112
<212> DNA
<213> A.fumigatus

<400> 17830
cttttgcttg atcgcatgtc gtcgtcgttg tcgtcgtgca caaccgcaga atcgccggct 60
aaatacattg cctatcacgt gcctcgaatc gccaacccat cgcagacaac acctcatcct 120
ccatttggtt gttgtcatgg ctcaggttgt gtcgttgttt tttcctcaaa gatgtcgagt 180
tctagaccat ccaagaggca gcgtatttgt cgcgcttgcg accaatgccg ccggcgtaag 240
tccaaatgcg atggggcaca acctgtctgt gggatctgcc gctcggcggg tcgaacatgc 300
acatacgagg ctggtggtgg ccgacgggga ttgccatctg gttatgtccg aaagcttgaa 360
acagctcttg gtctggtctt cataaacatt cccaacagtg aaggtatctt gcgtggtcta 420
ctagccgagt gtggtgatgc caaagccacg gatcgggcag tcgcagcatg gcgcaactcc 480
caggtgaacc gtgggatatc acagatgctc gttcctggat gcaaagagac gtcgatggaa 540
gactcggttg aggatgaggc tgagtgggag gacctggaga atcgtgatat tatacccact 600
atagagagct ccgaaccctt tatcccgacg gaagagatac ccctgcaggc ccaaccgatt 660
atagcagctg aaccaaagga tgtgctggac gtgcctattc caaacaacac gtctgaccta 720
ctggagctct acttcactta cactcactgc tggttcccca tattggagcg ccgagacctc 780
ctccgggcga tgtatacgta ccctctccga tccacgcctc gggatgaaac atgccatctc 840
gtattatggg ctgtcatcgc ctattcgtcc gttatccatc cagatcacaa tcatggccga 900
cccaattcta tgcaaatagt gcattccatc caacgccgga tcccgtcgca attggacaaa 960

ctggagttgg gccacatcca ggcgctccta attcttgttc tactacatct tcaggtcggg 1020
gatgtcaaac tcgcctgggt cctagttggt caggctacaa ggtttgtaac gatgctgccg 1080
acgtcgtcga agtcccgatt cctccatacc gttcacgcat gtatcctact ggacaattta 1140
gcctcagccc ttctggacag atcgccctgt ttgtctctcg aagagcagct ggtgtatgga 1200
cccgttgagg aagacgatgt cgaggagtgg gatcattgga ctgcacggaa tgggttcaca 1260
tcaaacggac cattacgagc gttgagcatg tttaacgctg tgagacagct tatgcagctc 1320
ctaactcggg tattgtacag tccagttgat ctggctcagt tgcactccct cctgctccag 1380
atccaggaac aacaggcgat tcttctagca caatactcaa atcccaggtc cgactctact 1440
acgccgcctc ttcttacctt gcatctaaca gccgtctttg tgattctcgc acttgtccgc 1500
cactgtcggt ctcccagtgc cgatatgatt gatctggccg tcgaaacctc gcaacgaatg 1560
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<211> 510
<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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tga 183

<210> 17833
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<212> DNA
<213> A.fumigatus

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<211> 552
<212> DNA
<213> A.fumigatus

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ctccttcggt ga 552

<210> 17835
<211> 555
<212> DNA
<213> A.fumigatus

<400> 17835
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<210> 17836
<211> 633
<212> DNA
<213> A.fumigatus

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<210> 17837
<211> 306
<212> DNA
<213> A.fumigatus

<400> 17837
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<210> 17838
<211> 588
<212> DNA
<213> A.fumigatus

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<210> 17839
<211> 435
<212> DNA
<213> A.fumigatus

<400> 17839

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gcattcacag acttcttcgc ggccaagaca ggaaagaaat gggaaaatag actggatggg 180
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agttctgcaa tgggccaggg tgccatgcaa attgctgtca gctcgaacag tgatgaccat 360
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cccagagtgt tttga 435

<210> 17840
<211> 249
<212> DNA
<213> A.fumigatus

<400> 17840
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ctccccacac tcacattgct ctggggtatc gttgccacac ttcttggagt tgtccagaat 180
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aagtgctga 249

<210> 17841
<211> 255
<212> DNA
<213> A.fumigatus

<400> 17841
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tctgtagcct tggggatcgc tgaaagtgga ctgtttccgg gcgtcgtctt ctatctttct 120
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gtgacatccc gttga 255

<210> 17842
<211> 1866
<212> DNA
<213> A.fumigatus

<400> 17842
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<210> 17843
<211> 399
<212> DNA
<213> A.fumigatus

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<210> 17844
<211> 450
<212> DNA
<213> A.fumigatus

<400> 17844
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<210> 17845
<211> 315
<212> DNA
<213> A.fumigatus

<400> 17845
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<210> 17846
<211> 597
<212> DNA
<213> A.fumigatus

<400> 17846
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<210> 17847
<211> 288
<212> DNA
<213> A.fumigatus

<400> 17847
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<210> 17848
<211> 1533
<212> DNA
<213> A.fumigatus

<400> 17848
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<210> 17849
<211> 303
<212> DNA
<213> A.fumigatus

<400> 17849
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<210> 17850
<211> 2193
<212> DNA
<213> A.fumigatus

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<210> 17851
<211> 327
<212> DNA
<213> A.fumigatus

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<210> 17852
<211> 255
<212> DNA
<213> A.fumigatus

<400> 17852
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tggataagca actga 255

<210> 17853
<211> 2208
<212> DNA
<213> A.fumigatus

<400> 17853
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<210> 17854
<211> 453
<212> DNA
<213> A.fumigatus

<400> 17854
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gatattatta gacaacacct ctgctggaag gtcgtggggg tcaataactc gatactgttc 360
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gatgttatct actccagtct gagcaaccca tga 453

<210> 17855
<211> 657
<212> DNA
<213> A.fumigatus

<400> 17855
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ttcacgctgg gactcgagga gaaggggatt ctcgaggtct tgagggaccg gctgcgagac 600
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<210> 17856

<211> 237
<212> DNA
<213> A.fumigatus

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atttcaattc cgtacaactt gatttcctta tacgaacacg gttcctgcct cacgatgagc 120
gcgcaacatt ctcgttccgt tgttcggttg ctgcactacg gacacatggc tgacaactac 180
tgcaccgtta caacacataa gacaacgact gctagcagta gttttgtttg gcattaa 237

<210> 17857
<211> 393
<212> DNA
<213> A.fumigatus

<400> 17857
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aagaaaggcg tcaatgtctt acttgggccc gtcgttgggc ccctaggtcg tgtggcagag 180
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gaccaattct tggttcagcc caaggacttt ttccttttca tacagcactt ccatcttgga 360
atgaaccaga aaaccaaccc gaaaccccccg taa 393

<210> 17858
<211> 423
<212> DNA
<213> A.fumigatus

<400> 17858
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taa 423

<210> 17859
<211> 270
<212> DNA
<213> A.fumigatus

<400> 17859
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aagtttgttg cacagctcac cccggaggag aaagtcaacc ttactgcggg gactgacgcc 120
aataatggct gttccggcaa tattgcagct attccgcgac tgaattttcc cggactgtgt 180
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aattcttgta gaggggaacc gactacgtga 270

<210> 17860
<211> 525
<212> DNA
<213> A.fumigatus

<400> 17860
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atatctcgat caatgcgaca gatttgcgag cgattaaagc gtacgacaag cagagcaaag 480
gtgagatgcg aatacgacat cagtcgcccc agtcggagcg actga 525

<210> 17861
<211> 297
<212> DNA
<213> A.fumigatus

<400> 17861
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agggtcggct taattcaaaa tgcccgccaa cgaacaaaga agtccagaga gtcatga 297

<210> 17862
<211> 486
<212> DNA
<213> A.fumigatus

<400> 17862
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ctcgtgatga agagaaagcc gccaacggta acaataaact ctgcggagat acttaaccat 480
cgctaa 486

<210> 17863
<211> 576
<212> DNA
<213> A.fumigatus

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tcaagcctga accgagcccg aactggagct tgttaa 576

<210> 17864
<211> 330
<212> DNA
<213> A.fumigatus

<400> 17864
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agctattatt ccctactaat cgatgactga 330

<210> 17865
<211> 231
<212> DNA
<213> A.fumigatus

<400> 17865
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tcctctgtgg aaattgatct ctcagatttc atttggagta catttgctgg ccaaaggatt 180
ggcgaaatcc aaactagaag ttttgaagat cctccagcgt catgtggatg a 231

<210> 17866
<211> 681
<212> DNA
<213> A.fumigatus

<400> 17866
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caagccgcca gctcgtttct tcgtacaagc attaacggtc ctctcagtac acctcgacag 120
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cttcctactg tctactactg a 681

<210> 17867
<211> 264
<212> DNA
<213> A.fumigatus

<400> 17867
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cccaacacaa aattcaccac ttaa 264

<210> 17868

<211> 1056
<212> DNA
<213> A.fumigatus

<400> 17868
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<210> 17869
<211> 2907
<212> DNA
<213> A.fumigatus

<400> 17869
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gataatgtcg aggatcttca agcttgtgag ttgaccaacg aaggtcctga agtcgaattt 900
gaagaatctg gagaccaaac ccttgcaggg aaggaacctc gagcgttaga tgacaacgac 960
agtgaagagg gttccaagat tgatgaaagc gatatccatc tggcggacga gagtattgtc 1020
ggccataccg cctatgtcag caatatgggt acccacaccg agcaaaatga ccacacgcct 1080
gattatgatg acgcagagga tccggacgca actgaatcag agccagagga agagcacatg 1140
atgcaggacg tatacggcag cgagtttcaa gctgtgacag aggagtcaag cctgccgttt 1200
cagcgacact cgattgaggg acttgaagat gttttcactg acgcaccggt agcctatgaa 1260
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caagtcgatt tccagcctgg agagctcaac aatgagtacg ttgacttcca cgatagcgaa 1380
tactttgatg atgacgaggc gacactcgtc gcatctgata ccacggacca ctatatctat 1440
gaagttcagc ctgatgaaga accgaatgcg cagttaaaca ctcagctagg cccccagcag 1500
gaactggaaa gaatgaatag ccatcttcat gaccaggatg gttcccttgc accacaagcg 1560

tcgacaactc aggatggcat tttctaccac ggtgatctga aatatcgcga agaagtggat 1620
atgtctgaat ctgagctcac tacagacaac cagagtcatt caattgagca taatgacctg 1680
cccgattcac ctacctccgc tgcagtttgc aatgacgaac cggaaagcgg attcctgatg 1740
cagcgaaacc gtggtccacg gttcaccctt ttggcagagc agctcagtca atggaaagct 1800
agcagtcccg agaagtctga gccacgacgc accaggcgag gggtgttctc catcggagga 1860
cttcgaaggt cttctcgtcg tgggactcgt cttcctcaag aagtggccta ccccgacatc 1920
gaagattgtc ttggatctcc tcaagagaaa gcctcagatc gccctcgcga tagcgagatc 1980
tatgccggtg ttccagagat ctacgaggac caggatgacc aaaacctgga agagtctcgt 2040
tctagtgctg tagcaacatc atctccccag agagagccaa tgaccgagtt gttcagcgag 2100
ccgcaacccg aattctccga gccgactgca tacaaaaagg tcctgaaccg tcagcctgcg 2160
catgcttctg ataccaccaa gagcccaatt gcatcgccta gctctccaaa agaaggcgat 2220
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cagaaaagca tcccgctaga gaccttccat acggtatcca aagtacctct gaaaccggaa 2340
ggtcaagttt cgcccttgaa actgtcccgc aaaaggggcc gatcgctctc aatctcttcg 2400
cctatccgct catctcctcg gctccgaaag cgtgtgcttg cttcccccca gcagagtacg 2460
gcgcaagcct ctcctcgcaa gatgcccaaa ctccaacata acgagactcc ccgatctcaa 2520
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tcggcatctc caggaccctc aaagactcct gcttgtgaaa acattcttgg aggagcggtt 2640
gtatatgtgg atgtccatac aactgaggga gaagatgcca gcggcatatt cattgaactt 2700
ctgcagcaga tgggagctcg atgcgtcaag agttggggat ggaatccacg cgcaagtatg 2760
tcgtcaggcg atatgacaaa ccgcagagac agcaaggtgg gtattaccca cgttgtgttc 2820
aaggacggag gagtgagaac cttggaaaag gtcagacaag cagctggcct ggtcaagtgt 2880
gtcggtgttg gttgggttct tgagtaa 2907

<210> 17870
<211> 783
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (762)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17870
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cttgcctttt cattgatgca cgccgccccc acaagtcatc cgcgacatca tgatgatgac 120
catctccatc tcaaccatgt agacgccagc cctcacggat taacttgcct cgacaaagat 180
agagatggag acattccaaa cagtacgaac aatgacggta gtcatcctcc aacctctcct 240
gacgcacacg tattcgacat caccagtcat ggacgaacct catcagacac atccttcaat 300
gatagtgacg gggatgacga tgcagaagac gccgatctag tcatcgacac ccctagtgag 360
aagcccgtca cttgggcctc cctgcccaaa aagggccaac ttgccatcct caccttgcc 420
cgtctctccg agccactgac ccagacatca ctccaagcat acctcttcta ccagctcaag 480
tcgttcgacc cttcgctgcc agactcgacc atttcaacgc aggcggggat catgcagggc 540
agctttaccg cagcgcagtt tctcacggcg gtctggtggg gccggttggc ggacgcggag 600
tggatgggga ggaagcgtgt gctgctgatt gggttgctgg ggacgtgtat ctcatgcctt 660
gggtttgggt tttcgagttc gtttgcggcg gcggtagtat ttcgggttct tgggggcatt 720
ctgaacagta acgttggggt gatgcggacg atgatatcgg anattatcga gagaagaaag 780
taa 783

<210> 17871
<211> 342
<212> DNA
<213> A.fumigatus

<220>

<221> unsure
<222> (324)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17871
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cacctcggca atgtgtgtat caagacaact cgttcggacg gctctatgac acctccatcc 120
gatatcgaga taatgcgtca aacgtggacc agcggctttg gcctgagctc attagaaacc 180
acgatcatcg actactctct ctcacgtgcg gagctgcgag ctagtgagga ttcccaccag 240
atcgtggaca ttgcttcatc agatctcgat aaaaagcaaa ttttcgatgc tatcggccga 300
gacgaggacg agattctgtt gagngacacg gatagacagt aa 342

<210> 17872
<211> 477
<212> DNA
<213> A.fumigatus

<400> 17872
tacggcaatc atgatattaa cttgatatct agtatgcgcg cggaggtata cacaggaaat 60
cctgtcgata ctaaaaggac tcccgatatt ccagggatct gggaggaata tgcgcctaga 120
acgaacctca tttggctttt gttcatccta aaaaacctcc tcaagaatcg caagagcgag 180
ccctctacat cggccgcaac aagaccaccc ttggccccat gctcacccaa taaaaatatc 240
gaatcgaagc aagcgaaaaa tttgggcgag aaagctaagc cgccacttct tgggcagaca 300
caagtcactg aagcagataa gagagttgct gacttaaagc agtcgctcga ggacagactc 360
aagtcagttc tagacctgct agatctcgag catggccata aagacatgtg ctgtgctgcg 420
gatctggtag cttacgccat tgactcacag tggctaagcg aggaggactt tttctga 477

<210> 17873
<211> 447
<212> DNA
<213> A.fumigatus

<400> 17873
ggcgttgcta ccgagaaata cagaacaaag gagatgagtc gggacgctca tgcatgtcct 60
tgtgctcaag gtagaatggc gagtgatctc cttggacaat gtgacaaacc tagcattaaa 120
tggtcacgat cagtgactat tataggtcaa gcctataccg tctatatgct cttgcctcgc 180
agaggacatt catatgttgg cgacaaggaa gctcatgaga cttcctacag ccaagccacc 240
cacaaggacc atgctcatga acccaccagc agcctctcgt tcatccacag aaacccagtg 300
actagctccc atcatacagc tgctgccaag atatccgttg gaaaccccga acaaaagctg 360
cacaacgaag agataaaaga aatcactctg tacaatggcc cctctccctc caatgttaca 420
aagcaggtaa agtgggatga accctag 447

<210> 17874
<211> 198
<212> DNA
<213> A.fumigatus

<400> 17874
cactattcac tgtctaagaa gaaatctata gacacaaata aaggggatat tctaacagat 60
caagatgcca aacccgcgag gaggggagtt aatgtaagta aacaaaaaag aaataagcgg 120
acatgcaagg gagtctatgt gagcgcctcc ggccccgaca atccacctaa agcactaatc 180
aatttttcgc ggctctga 198

<210> 17875
<211> 579
<212> DNA

<213> A.fumigatus

<400> 17875
ggggatgttg gtatcctcgg atatctctgt cccgtcatca ctctgcaagt cccaagaagt 60
ttcctgcgcc accgggttgg caggagtgtt ggcgagctgg tccatcacct caccgccgct 120
catctgccac tccatcaatt tggtgaaggc gccatcaggg cgagcactga gctcctcata 180
actgccttgt tcggctactc ttccgtcggg accaaggaca ataatcgtat cggatctctt 240
aatagtagag agtcgatgag cgatgctaat ggtagtattg ttaccacgaa ggagcgcggt 300
aagagcactg ttcacaagag tttcggactc cgcatcgaga gcagaagttg cttcatcgag 360
tatgagaata tcaggatcct tgatcagagc ccgggcaatc gcaatgcgct gcttctggcc 420
accagaaagc tgagcgcccc ggggtccgac ctgggtgtca agaccatccg gctggacaac 480
acaatcagct catatttaaa ccaaaatgga cgtcgaccaa cttacaaagt cacttatgaa 540
ctggcagttc gccttgcgcg cagctgcaac gatctctga 579

<210> 17876
<211> 591
<212> DNA
<213> A.fumigatus

<400> 17876
caattgggag aattaacttc attcctgatg tacacagcgt acgcagggtc aagcatgttc 60
ggtctttcga gcttttactc tgaactgatg aaaggtgtcg gggcagctag tcgactgttt 120
gaattacagg atcgtcagcc aacgatatct ccaaccaagg gcgagaaggt ggcttcggcg 180
cgaggaccaa ttcgcttcga aaacgtgact tttagttacc cgactcgtcc tgctgttcct 240
atttttaggg atctcaattt cgaaattccc caagggacca atgttgctat cgttgggccc 300
tcaggaggtg gaaaatcaac gatcgcttct attttgctcc gtttctactc tcctaccgaa 360
ggaagagttc tcatcggtgg caaagacatc acccatatga acgccaaatc tcttcgacga 420
aagattggaa tcgtctccca agagcctgtc ctcttttcgg ggactatagc ggagaacatt 480
gcgtatggta aacctcaggc caagcggtca gagatcgttg cagctgcgcg caaggcgaac 540
tgccagttca taagtgactt tgtaagttgg tcgacgtcca ttttggttta a 591

<210> 17877
<211> 513
<212> DNA
<213> A.fumigatus

<400> 17877
gctgattgtg ttgtccagcc ggatggtctt gacacccagg tcggaccccg gggcgctcag 60
ctttctggtg gccagaagca gcgcattgcg attgcccggg ctctgatcaa ggatcctgat 120
attctcatac tcgatgaagc aacttctgct ctcgatgcgg agtccgaaac tcttgtgaac 180
agtgctctta ccgcgctcct tcgtggtaac aatactacca ttagcatcgc tcatcgactc 240
tctactatta agagatccga tacgattatt gtccttggtc ccgacggaag agtagccgaa 300
caaggcagtt atgaggagct cagtgctcgc cctgatggcg ccttcaccaa attgatggag 360
tggcagatga gcggcggtga ggtgatggac cagctcgcca acactcctgc caacccggtg 420
gcgcaggaaa cttcttggga cttgcagagt gatgacggga cagagatatc cgaggatacc 480
aacatcccct cagagccgcg aaaaattgat tag 513

<210> 17878
<211> 1182
<212> DNA
<213> A.fumigatus

<400> 17878
ctctgccgta catgggttag gaacatgttt ctcgcagcag caccgtactt ctaccttcgt 60
ttccggtcgg acaaatggac agcaacccat ttccaaccct cgattctgac agtgtcaacc 120
atcacgaacc tgggatctgc attcattctc gccaaactgc agaaagggcc ctcatactcg 180

agacgagtaa cgctttcttt acttataaac attgtcatct tttcgctatt ggcgctttcg 240
acagtctttg tgaaagatgt cgatgttaaa acctacttca gctttctgat gttcatggtg 300
tttggggcaa gcttagcaac cggcatcaat cagaatggcg tctttgccta cgtgtctggg 360
ttcgggagag aagaatatac acaagccatt atggcaggac agggagtagc cggcgtgctt 420
ccttgtgtcg tgcaaattat ctctgctttg gcagtgccga agagagaggg gcagaacatg 480
ccgcaggctt catcaaagtc cgcatttatg tatttcacta cagccaccgc cattgctgct 540
atttcgctgg tcgccttcct ttcccttgtc aggcggcgat cggttctatc cctacagttg 600
ccagaggaac aactcgactc aatctcctct ggttatgctc ataagacggt gagtctctgg 660
gttttgttca agaagctacg gtatcttgca tcggctctat tcctttgctt tgccattact 720
atggtgtacg cagtcttcac cgcagaaatc gagtccgtac atcaagatcc caatcattcc 780
cggttattct ctcgagaagt cttcatccca gtggctttcc tcttttggaa tgccggtgat 840
ctaattggga ggatgtcagt catcatccct cgtctttcat tagcccatcg tccttgggtc 900
cttttcgtca tttctgtgac ccgcctaggg ttcatcccac tttacctgct ttgtaacatt 960
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ttcggggttt ccaacggata tcttggcagc agctgtatga tgggagctag tcactgggtt 1080
tctgtggatg aacgagaggc tgctggtggg ttcatgagca tggtccttgt gggtggcttg 1140
gctgtaggaa gtctcatgag cttccttgtc gccaacatat ga 1182

<210> 17879
<211> 729
<212> DNA
<213> A.fumigatus

<400> 17879
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acgctgacca gacgacaggg ctgtgtctac ctaatcggcc attcgatcta tgctatatac 120
tttcatcctt tgagccgata tccaggaccc aaaattgctg ctatatctcc aattgctctg 180
cttgtttggg agatccgtgg gaaagtgcac tcaaaggtca aacatcttca tgacagatat 240
ggcgacgtgg tccgcattgg tcccaatgca cttgtctacc gggttccgcg ggcctggaag 300
gagatatacg gatacagaac gaaaaagggt caaagaacat ttcagaagga tccttccctt 360
tatgtcccga cacccaatgg cgtgcacgca ataattacag cggcagagtc cgatcatatt 420
cgcatgcggc ggctcatcgc ccatgcattc tcagacagag ccttacggga gcaggaatcg 480
ctactgcact tatatgccga tctcctcgtc caaaagctgc acgagaatct caatcattcg 540
cactcggagg tcgtcgatat cgccaggtgg tacaacttca ccacgtttga tctcatcggt 600
gacctcgcct ttggcgagcc ttttcagtgc ctgaaagata gtaagtatca ctggtgggta 660
tccatcatgc tcgacgcagt caagctcagc gtatacctca aggtcctttg gttcttcccc 720
attccctga 729

<210> 17880
<211> 492
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (249)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17880
gccccccttga cgaaactgct ggttccacgt tacctgcacc agagacgaga ggcaagtttc 60
cagttgaccg tggagaaagt catccgtcgg ttgcacagac agacaaaccg cccagattat 120
ttatcgtata ttatcaggca taaggacgac gagaaccgca tgtcccggca agaaatagac 180
ggtaatgctg cgacttttgt tctggccggc agtgagacca cagctgcatt gctgtctggg 240
tgtaccttnt atcttctgaa gaacccgcat atctaccggc gactggtgac tgaaatccgt 300
agtagatttc agcatccatc ggaaattcgg ttatcgtcta ttgccacgct ttcttacctc 360
aacgccgtcc tggaggaaag cctgaggatt tatcctccaa ttcccgcaat gttaccacgg 420

cttgttcccg aggagggagc catgataaat ggagaatacg tccctgctgg agtgagtccg 480
ggcctctgtt ga 492

<210> 17881
<211> 207
<212> DNA
<213> A.fumigatus

<400> 17881
acaatccatg agcaatccat ggacaactca ggaagattta gagtgtctct gcataaggtc 60
atttcgggaa ctgtctggcg acaatggcta cagaaagcct acaattccat tccaaaagcc 120
atcctgctct tagtctactc cacggatgag cttctaacca cttgtgttac gtcacctctc 180
acttttcat tgtttgttag ggagtag 207

<210> 17882
<211> 192
<212> DNA
<213> A.fumigatus

<400> 17882
ctggaggaac aaagggcgtc ccttaatcct gtcaagcctg ccatttcgct gatgggcatt 60
catgcagtta ttacggagtc aagaccccaa ggcatgcatc cacttggtgc acctatcgtg 120
gccaatcaca aaaatacctc acttgcatct gatacctaca atcggcctgg tggctgctgg 180
gcgcataggt ag 192

<210> 17883
<211> 225
<212> DNA
<213> A.fumigatus

<400> 17883
tgtcaaattc cagccccatt cataactcgc ttcgcttctg gggaggaaac cgacctggcc 60
aacccctca aagacacagt gatccggcca agcattgaag cccctacaga ggtcaagagt 120
gtggtgtcca ctctaatcac tcctctttca agagagcaag tccgtcactc aggtaagcgc 180
ttgttacaat atatacgctt tcctgttgtt gtacgtcttt cctga 225

<210> 17884
<211> 528
<212> DNA
<213> A.fumigatus

<400> 17884
ccggcctgcg cggccagatg cagcggcgtg accccgttca acaactgcgc gttgatcttg 60
gccccagcct gcagcagcaa ccgcacgatc tccactgcgc ccttgtcaca ggcattgtgc 120
agcggcgtcc agcccccatc gctccgcgct tcgatgtccg ccccgtgctt gagcagcagc 180
tgcacgatat cctccctgcc atgcgccgcc gcgatatgca gcgacgtctt gttcctcagc 240
tcgacggcat tcacatccgc aatcgggccc cgccgtcgtg tcagcagcag ctccgcgact 300
cgcagtttcc ccgtcgcaca cgcccagtgc agcggcgtgc ggcccaactc atcccgcccg 360
tccgcgccgt caagcgcaca ccccgtcccc agcagaagct cgatcacatc ctcgccccaa 420
tcgcactgct tatccgccgc caggttatgc aagacattcc tcttccgcag atctttcgca 480
ttgacgtccg ccccgcgcga tatcaacacc tgcaagacgt gccagtga 528

<210> 17885
<211> 1125
<212> DNA
<213> A.fumigatus

<400> 17885
ccggccgtcg acgagcaggg cgccgttggg gccctttttg accttccagg aggtattctc 60
gtccttgatc ttgtcgccct tggcggtcgc cgaagccgag ggaaagacat ccacctcctc 120
cagcgagttt cgcacaaatt cgttcatctg attccccgtc acccacacgc acatgcccac 180
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cggcggactt gcacctggct ccccccaccg caacccggcc acatgatgcg acgtcttgat 300
cgtgatgccc tccttcttca tcgtctccat cgcatacgcc gccagccgct catcaaacat 360
cgacagcacc gtcggcgcaa catcgtacag cgtgatccgt gggatccccg ccaggctggg 420
atacagctgc atgagatcgc gggagatgaa atcgcgcagc gacgccgcca gctccgtccc 480
cgtcggcccg gcccccacaa tcgcaaagtg cagcagccac tgcctcatct ccggcgccgt 540
cgtcggcagc accgccagct cgaagcactc gcgcacccgc cgcctgaccc gccgcgcgtc 600
cccaatgtcc ttgaagaaga gcgcgttctc gcgcaccccg ggggtattga acgtcttggt 660
gacggtcccc accgcgacga cgagcttgtc gtagggaacc gtaaacgttt cgccggcttc 720
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cgtcaccccg ctcttgacga ccgtcgcctc gcagaggatg gtcttccggt ggaagtccac 840
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gatattcgag aaatcaagcg agcccccggc tgcatccgta agcagcggcg tgaagacaaa 960
gtacgaccgc ggggagacga tcagcggcgc gaacttgctg ggggagagcc gccgcgagag 1020
actgtagcct ccccacccgg agcccaggat gacgacccgc tctttgcctt ggtgtctttg 1080
cttgtcgtca gggaaggccg tcgagtgttc gacctgtgtt gctag 1125

<210> 17886
<211> 1383
<212> DNA
<213> A.fumigatus

<400> 17886
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tgtccctttg ccctttttgc cctgcgagct gctgaaccca tcgtcaagcg agcaggtatc 120
cgcccgttca agcttcatgc cctggacctt ggacttttg gccttggacg ggtcgtcgtt 180
cccgttgaca acgattgtgg gcagttccgt ctctccactc tccttgatcc gctcatcctc 240
gcggaacggg cgtgctcgcg gggtgctctg acacagcggc cgcatgaagt gggagtgcgt 300
ccgttgtccg cggtgctggt aattgaacga ccgttccagt cccttgaagc tctccacgtc 360
gtgggcgcct tcttcgataa acgacttggt gagcaacgct tccacccagg ccatgttgtt 420
cgcgggcaga tggatccagc gaaaatccgt cgccttgctg tcggctggga tggtgcggaa 480
cgcttgcttg cgtggatttt ccgggtcgcg cccatacaac aggttaaaca cggacgtctt 540
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gcatgcgccc cgcgcatccg ccgagagcgc atcgatgttg ttgaacggcg ccaggagcag 660
cacgatgtcc ttccgcttaa actgtgccgc ccggaggaac ggggtgctcc caaagttgtc 720
ccgaacacgg cgtttcaggt ccggtcgttc gagcaggcac tcgacgacct cgcggtgacc 780
ggcctgcgcg gccagatgca gcggcgtgac cccgttcaac aactgcgcgt tgatcttggc 840
cccagcctgc agcagcaacc gcacgatctc cactgcgccc ttgtcacagg cattgtgcag 900
cggcgtccag cccccatcgc tccgcgcttc gatgtccgcc ccgtgcttga gcagcagctg 960
cacgatatcc tccctgccat gcgccgccgc gatatgcagc gacgtcttgt tcctcagctc 1020
gacggcattc acatccgcaa tcgggccccg ccgtcgtgtc agcagcagct ccgcgactcg 1080
cagtttcccc gtcgcacacg cccagtgcag cggcgtgcgg cccaactcat cccgcccgtc 1140
cgcgccgtca agcgcacacc ccgtccccag cagaagctcg atcacatcct cgccccaatc 1200
gcactgctta tccgccgcca ggttatgcaa gacattcctc ttccgcagat ctttcgcatt 1260
gacgtccgcc ccgcgcgata tcaacacctg caagacgtgc cagtgattcc tccacgcagc 1320
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taa 1383

<210> 17887
<211> 561
<212> DNA

<213> A.fumigatus

<400> 17887
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ggcggcgcga gcggtggact tccaccggaa gaccatcctc tgcgaggcga cggtcgtcaa 120
gagcggggtg acggagtcgc cgcggacgga cgaggcgggg ggtgtcacca gcacgatggc 180
caaacgacgg tgggaagccg gcgaaacgtt tacggttccc tacgacaagc tcgtcgtcgc 240
ggtggggacc gtcaccaaga cgttcaatac ccccggggtg cgcgagaacg cgctcttctt 300
caaggacatt ggggacgcgc ggcgggtcag gcggcgggtg cgcgagtgct tcgagctggc 360
ggtgctgccg acgacggcgc cggagatgag gcagtggctg ctgcactttg cgattgtggg 420
ggccgggccg acggggacgg agctggcggc gtcgctgcgc gatttcatct cccgcgatct 480
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gacggtgctg tcgatgtttg a 561

<210> 17888
<211> 3180
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (110)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17888
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ctgttcagtc tcggcgcgaa gaccgaggtc cccagcaacc gtgtggcacc gctgctgcgc 180
gccgtcgagc acaaccatgt ccggatcgtg cagctgttac tggattacgg ggcctcgacg 240
gagacggcgg ataagaaagg gcggacctcg ctgatgacgg ctgcgtggag gaatcactgg 300
cacgtcttgc aggtgttgat atcgcgcggg gcggacgtca atgcgaaaga tctgcggaag 360
aggaatgtct tgcataacct ggcggcggat aagcagtgcg attggggcga ggatgtgatc 420
gagcttctgc tggggacggg gtgtgcgctt gacggcgcgg acgggcggga tgagttgggc 480
cgcacgccgc tgcactgggc gtgtgcgacg gggaaactgc gagtcgcgga gctgctgctg 540
acacgacggc ggggcccgat tgcggatgtg aatgccgtcg agctgaggaa caagacgtcg 600
ctgcatatcg cggcggcgca tggcagggag gatatcgtgc agctgctgct caagcacggg 660
gcggacatcg aagcgcggag cgatgggggc tggacgccgc tgcacaatgc ctgtgacaag 720
ggcgcagtgg agatcgtgcg gttgctgctg caggctgggg ccaagatcaa cgcgcagttg 780
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gttgactttg gcaactttca caacgagaat cgggtccaga agacgtccgt gtttaacctg 1080
ttgtatgggc gcgacccgga aaatccacgc aagcaagcgt tccgcaccat cccagccgac 1140
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gcgttgctca ccaagtcgtt tatcgaagaa ggcgcccacg acgtggagag cttcaaggga 1260
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agtggagaga cggaactgcc cacaatcgtt gtcaacggga acgacgaccc gtccaaggcc 1440
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gggttcagca gctcgcaggg caaaaagggc aaagggacac ctaaacgggc caagtctggg 1560
ccttcgccca acaagagcga cacgaagggt agtaagcaat catcggctca ggatgacaaa 1620
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actctggacc agttcttcta tccgaacatc gatacgcaga gtcgcgatca ggaccaggtg 1920
atctaccgct accagaccaa agggcagggc cgcgatcggt tccggtcgga tcccaagatc 1980
ttcatggtgg accagctgtg gatgtggatc ctggggacga acctcatcgt cacgagcttt 2040
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gatatcaact ccaagacacg ggagccggtg cgatccgtct acgatctggc gatcatcatc 2160
accaaccgct gctcgggggt attcgaccgg caccgcatgg gtgacgagga ataccagttc 2220
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gaggtcaaga agcggttcaa ggagcagcag cgcacgatcg acatgcacct caaggacatc 2640
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acccgccagg ggaagacgat catggtgttt acgatcgtca ccatcatctt cctcccgctg 2820
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tccatcccgc tgattctgct ggcgctgtcg gtcgacgata tcggcgatgt ctgccaggaa 3000
gcgatgcgac acatgcgacg gtggttatcg cgtcggcgaa aaagcacgga cgatcagctg 3060
gacgaggcca ccctcgagat ggagaagatt atcagcacga gcaagtcccg ccggagcatg 3120
gacacgcgct atgcagggag cctcttgccg gtttcgacta gggggagtcg tcctgcttga 3180

<210> 17889
<211> 1326
<212> DNA
<213> A.fumigatus

<400> 17889
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agccgacggc accacccatg gacgttagtg cgccagtgga aatcgatagg aacaaggagg 120
ctagcaacac aggtcgaaca ctcgacggcc ttccctgacg acaagcaaag acaccaaggc 180
aaagagcggg tcgtcatcct gggctccggg tggggaggct acagtctctc gcggcggctc 240
tcccccagca agttcgcgcc gctgatcgtc tccccgcggt cgtactttgt cttcacgccg 300
ctgcttacgg atgcagccgg gggctcgctt gatttctcga atatcgtcga gccggtccgg 360
gatcgcaggg cgcgggtgga cttcatccag gcggcggcgc gagcggtgga cttccaccgg 420
aagaccatcc tctgcgaggc gacggtcgtc aagagcgggg tgacggagtc gccgcggacg 480
gacgaggcgg ggggtgtcac cagcacgatg gccaaacgac ggtgggaagc cggcgaaacg 540
tttacggttc cctacgacaa gctcgtcgtc gcggtgggga ccgtcaccaa gacgttcaat 600
acccccgggg tgcgcgagaa cgcgctcttc ttcaaggaca ttggggacgc gcggcgggtc 660
aggcggcggg tgcgcgagtg cttcgagctg gcggtgctgc cgacgacggc gccggagatg 720
aggcagtggc tgctgcactt tgcgattgtg ggggccgggc cgacggggac ggagctggcg 780
gcgtcgctgc gcgatttcat ctcccgcgat ctcatgcagc tgtatcccag cctggcgggg 840
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tgggtgacgg ggaatcagat gaacgaattt gtgcgaaact cgctggagga ggtggatgtc 1140
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aaggtcaaaa agggccccaa cggcgccctg ctcgtcgacg gccggctacg cgtgcagctg 1260
gcgaatgacc acggagaaac aggtcttcac cacggggctg gaaggatccg cggtggcgtt 1320
acaatc 1326

<210> 17890
<211> 252
<212> DNA

<213> A.fumigatus

<400> 17890
aggttactat atcgtgcatg gcaagtttgt cagactccga acgaagtact ggttgaaaag 60
ctcgggttgg acatccctcc gccaccagag gttactctag aggagattac cgcccgtgag 120
gttcgcatcg cctggaagct gcccgacttc cacaattcca ttcacaagca cattattcaa 180
gtgaacggct ccaaaggtag cttattctgc gtattactgt cgcgagttac atcaacacta 240
aacatgcaat ag 252

<210> 17891
<211> 351
<212> DNA
<213> A.fumigatus

<400> 17891
atcgacatga ttcgtcactc tgacaatgcc cagcttcgtt tttcacccca gctgtcagtt 60
gttcgagcga cgcagcgcgt gagtcatcca cagccagagc gagcatcatt gccccgtctt 120
gacctttga ctctgcaaac actgaccttg ggcgttagta aactcgtcac gacgattgta 180
tctacgttta cagcacatta tatctaccac tgggggacat atttcccgtc tacgcctctg 240
cagcctccgt acctgccctc gttcgatggg cgggcggtcc tgtacccgac cactaggatt 300
ctacgcgatt atatgagttg gaggcaggtg gattgtgcgt ttgacctcta g 351

<210> 17892
<211> 1956
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1624)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17892
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gcgactatcc gtccgcgtcg ccatcgcagc tctctaaaca gcaacgtttc ttccccgatg 180
aatttccctg gcttggaacc atcgttccct ggcggtgtca acttcaatcc accttccacc 240
aactcgccta catttgctcc ggctcctgcc ttcttcaata tcaataatgg catgaccctt 300
ccgggtctct cggacctgca agatccgatg cgcggggatc tcgatgtttc cttcggtaat 360
cctcaaatga gtccacgggc cgatgccctg cttccgtctg atcttttagg ggatgaagaa 420
tctccagaac ccccacgtcc aattgttcga ccccgttttt caaacctaga attgtccgaa 480
tcgcagcggg aaagctattc gcgcggccca tcgtctcctg agtccgcagt gggaagcaaa 540
ccagctagca ttttcgccag tccccatgag gatcgcaaag ggaccgaacc tcagtctaca 600
catgttgatg aatctagtga cgctcctaag agcgcgacga gacggctgtc gggactattt 660
ggcttccatc gtcctcgtgg taaaacactg gcagatgagc caccttgct gggcaccctg 720
aaacctggac agagccaatc cttccctagg aatctggacg aaatggaccc catcggttca 780
aggcgtcgga gattgagtca tactggcaac tggaccaacc cgatatcgtt gcttcccagg 840
agtaatactg cggctgtcac tgcagacagc tcttctgacc acctgccgtc gcgacgagca 900
ggcttcacca gcatcttctc ccccagccga ttcggtttcg gcggtggaag tagcagtttg 960
ctaaagtcaa gcgagccctc tgatgtcagc actggttata atcaattcag tcctcgtcac 1020
gatccaattg atccagcatc gattctaggc actgtccggc gaggttccct gtccccaaga 1080
ccttcgtcaa ccttttcctt cgataatcag cttcctcatc cttcgacgga taatcgtcct 1140
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tctccatcca gctggtccag ggctcaatcc cgtcggccgt ctattacgta cgggtcctct 1260
ggtcacttgc cccttgggct gactggtgaa cctgattttc ctcaggagac ttttgaacgc 1320
caaggtcggc cgttacaagc cccgattggt acgcggcctt cgtcctccca tcgcccagta 1380

actccaaaat taaatccggc agcacccacg tttaagacca tcttcagcag aaagtccgac 1440
aaagataagg ataaagaaaa aggaaaggag aaagaatccg atatgccttt tgattttcac 1500
atggaggagg gctctccgtc agagccgcgc atttcgaggg attcacgttc ccggtccttg 1560
tccatcttta atgaagattc gtacgtttcg ctagagcgca ccccatcggc cacttttgcg 1620
gacnacagca actcaaagga gtcattcatt cgaaaaatca ctcgaaaggg cagctcgagc 1680
aaatttggtt cgtggaagga acgctccggc ttgttttcga aaaagggcga ttcttctcag 1740
ggtgacatcg acgaagatgc aagcagcgag gcgcaacttg ccaaaagtat tgacagcact 1800
gtctccagcg cagacagatc gactagaagc agtctgggtt ttttcagccg gaagtccaag 1860
aaatcggaca aagctgctag tgagacaagt gaaaggccga gtgaattggc cagcgagact 1920
ggcgatgatg agattgccga ggaagaggaa ccttga 1956

<210> 17893
<211> 414
<212> DNA
<213> A.fumigatus

<400> 17893
tttactccac atgagctgac gagatcgtgt caggggactg tctcatccga caagaatgag 60
atcctcttca agaggttcgg gatcaattat aacaacgagg atgagatgtt taagaaaggg 120
agtgtggttt atcgtcaggt aggccagcag ggatgcctct atgatcgccg tctaacgtgg 180
attctgcagt atcaattaga ggatcccaag cctgagtcca aatcaaggca tggggatgat 240
gatgaggcgc ctatggacga aagcaagatt tccagggcgc agcaagacaa attgcgaaaa 300
ttgcgacgga aagcgcaggt ggttgttgat catgtcgaca ttatcaagga cgagttctgg 360
gagaggaggc cttggattct ctcgggcaag ccaggtaaat tgcccgaggc atga 414

<210> 17894
<211> 1119
<212> DNA
<213> A.fumigatus

<400> 17894
cttattctgc gtattactgt cgcgagttac atcaacacta aacatgcaat agttggtgaa 60
tcgaaacgag tggagactgc ggtagaaatc tcaaacctgg tcccaggaag tatatatcac 120
atttgcgtct tttccgtcag tgcggcaaat tttcagacac ccagcgcagt tattcatgtt 180
cggacgaagc ctcttccttt gtcgcaatct cagcaaaatg ccccggttgg tagcccgacg 240
atccgggcct cgattccaag acccactgcc ggattggttg ccccctccgc ccctccgatg 300
gctcgcgagc ttagtggagg acaactgcaa gggaaacgta cgtctgctgg acggaaacaa 360
tcccccgcgg ctagcggcgt cgacctcccg catggccatc cagaggagac tcagaaacac 420
gcaacgcata gtgacagcag tgagaccttg gagcggttgg ctgacagatt gaagactctg 480
cagcatgaaa atgaaaatgt ggagaagcag gcggcggagg aagaggagga gcatatcgcg 540
cttttgaaag agcttgagag acagcgtgac cagctgagaa agcgtgtgaa ggagaaggac 600
gaggccagtg gcgatttgaa gaagcacgtt aacaagctgg agagcgtcaa tcgaaccgtc 660
caaaacgaaa aggccaagcg cgagaggctt ctccagcaga aagagactga acggaagaag 720
cgcaaggagg acattattcg ctggcgtgag gaaatggagc gaatgaccac tgaggttgcg 780
cagatcaacg aggagaaggc tcgcatggaa gaggaaggga aaaggagtgc agatggggtt 840
cgagaaaaga ttgccaagga gcaggcagag atgaaagttc tcgatgatga gattcaggac 900
aaaggtgggc gtgtcaagaa gctggaggag gagcggaagc gtcagcaggg gggagacagc 960
gaggatggga aggagttgga ccgcatcgac aacgagcgag caaggcagtg ggaggtcaag 1020
ttgagcaatc tcaacgcgcg atatgctgcc ttagtgaatc ttcatgcaca ggtgggtgcc 1080
cgaacaacgt actggcgttt ccagatcgag ggttattaa 1119

<210> 17895
<211> 189
<212> DNA
<213> A.fumigatus

<400> 17895
ataacaaatg acagactttc cgatcgctat gggtttatca aacccaacga ccgccgcgcg 60
ctggacttga tgaacgccgc cgcggtggag gtcatgaaag aactccctga cctatgcatc 120
gcctatggtg tgagcgatga atacaggtct gtccctcgcc agctagatcg acatgattcg 180
tcactctga 189

<210> 17896
<211> 342
<212> DNA
<213> A.fumigatus

<400> 17896
tctccatgct gtgtattata tgtcaaggta ctgacgaaaa gcaggtccga cgctttgggt 60
catgtgttga atatgatcgg tcgggattgg acacatgctg gtgtggcgaa gctctacacc 120
gatattgtca ataacggcta caatatcatg tatctcacaa gtcgatctgt gggccaggcg 180
gataccacgc gtacgtacct ttacggagtc tgccaagatg gctacagatt accaaagggt 240
cctgtgatta tgagccctga ccggactatt gcggcgctca ggcgggaaat ttacctgagg 300
aaaccggagg tgtttaagat ggcgtcttca ccgcggggct aa 342

<210> 17897
<211> 402
<212> DNA
<213> A.fumigatus

<400> 17897
gaagaaggta ccgatttgct gttccgtaga atttcttcgg atctgactga gctggatttt 60
ttttcttttc aggtggaatt tcaagtcaat ggagtcaagc aggactatgc gatgaagctc 120
ggggagggcg gagaggcctt tttcgtcttt gaaacatcag acgagatccc cgtttcgctg 180
cagacgtcac cgctagtatc gccggcggct agtccgagaa cacggagtga ggtagatctt 240
ccatcttctc ttcaggaacc ggagtttctg gacctcgaaa agtcctctgc cactactcag 300
tcgcaggatg tgaaagcagg ctcggacata cctctgcttt cgagaggggt gagggcatct 360
agtgatttgg gtacggtggc gctttccttg gtcaggatct ga 402

<210> 17898
<211> 204
<212> DNA
<213> A.fumigatus

<400> 17898
gcggggccat tgatgtcatc gtcatcgagc aggaagatgg tagctcctca tattagtggc 60
ctctctaaca ttttgttgct aatgcttgcg ataggaacac tcgcctgttc tccgttccat 120
gttcgatttg gcaagttctc tttgctccgt ccatatgaga agaaggtacc gatttgctgt 180
tccgtagaat ttcttcggat ctga 204

<210> 17899
<211> 1107
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (654)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17899
gggcatctag tgatttgggt acggtggcgc tttccttggt caggatctga ggctcatgct 60

catatggata taggtgccat gactcctctg tcgcaatccc cggaagaaga gaccaatgtc 120
ggccggctcc gccgcggctc cttgggcgac gcaccaggtt ttgaccgggc atcgtctgag 180
cctgtactaa cagcgaagag aaataccggt acttccaacg agggtggttt ggcagttgga 240
acacagcctc ccagtcccac aaccagcgac ggcgacaatc acaccgatcg ccctcggagt 300
cctcctttac tcacgccgca ggaagcagtt tcgcgggcgc tttctctgtc aaagaaactg 360
tcttcatcca acattccaac tcgcgtcaat gagacgggcg atctcatgct cgacatgacc 420
ggtcacaaaa gcaacgagga ggacgctttg cgtgccgaac tcattgcccg taagatattg 480
gcggaggaac tggagggaag ctatgacatt ggcagcctta tcggagcgga cgagcatgga 540
aacttgtgga tctacagtag cgaggaggca aaggaggctg ccaaccgccg ggcgactttc 600
aattcgatgc gaccgcactc ggccatgagt gaaaatgccg tctctgaccc aggntaccac 660
agcgacaccg atcaccctat gtccgagtcg tcgtatccga ctcggcatca ccgtgccaaa 720
tccgatgtgc aaccagggcc ccctactcct ccgcagtcac ctactcaaga ctcgactcca 780
ggagagcaaa cccggaatta tgcaaagact cttcgcctga cgagcgatca gctcaaggca 840
ctgaatctga agcctggtgc taatccaatg tcgttcagtg tgaacagagc tacctgtact 900
gcgaccatgt acctctggaa tagtaccacg ccgattgtca tttccgatat cgatgggaca 960
atcaccaagt tagtctccat gctgtgtatt atatgtcaag gtactgacga aaagcaggtc 1020
cgacgctttg ggtcatgtgt tgaatatgat cggtcgggat tggacacatg ctggtgtggc 1080
gaagctctac accgatattg tcaataa 1107

<210> 17900
<211> 207
<212> DNA
<213> A.fumigatus

<400> 17900
ttaaactatt ctgctatgct aacactatgg ttccctagat taataaataa tagtaattct 60
atgaatatat ttactaagat tactatctat tactatttag ttaatgacct aaagcctaac 120
ctacttatca gaactaatgt catctgtagt aaaggattta tacttaattt taaatatagt 180
attataataa ttagttctta tagttaa 207

<210> 17901
<211> 243
<212> DNA
<213> A.fumigatus

<400> 17901
aagatccatc cagttttgtc tgtcacccac cttaaacctg cgccagccac ccccaatcta 60
ttctaccatg agttaccaaa gcctcccaca gtcatcaacg ctaaggtcta ccctagtgag 120
gatgacatat acaaagtcaa atgcttacta gacaagcata ctattcagca tagacgcaaa 180
catacccctt atatagaata ccttatgcag tggaagggat acagactaga agacgaccaa 240
tag 243

<210> 17902
<211> 213
<212> DNA
<213> A.fumigatus

<400> 17902
ataacagtat ggttcagcaa aggaactaac tgcgcaacgg gacggataaa ccataggccg 60
ttagatacat ggataagcaa tacatggatt agcgtacgct atgcgacact aataccccct 120
aaacagtata ttaaattaat taatttaatc atcatcttct taatctatcc cccactaaag 180
aagatttatt ttatactact ctttctaagc tag 213

<210> 17903
<211> 195
<212> DNA

<213> A.fumigatus

<400> 17903
aatggtcctt gggtgtgctt agaacctaga cttaactggg cagaggcatc actgaatgtg 60
gctaaatgca atgttgaaga ttggattaat ataaaggact attacatagc cctactagag 120
tgctttatag atataattca aacattcagc ctctggaccc tcttagctga ggttttctca 180
gttattcttt tttga 195

<210> 17904
<211> 207
<212> DNA
<213> A.fumigatus

<400> 17904
tggtggcaaa ggaggcaata tgcagaggtg ggaatcatta ctcatgtgtt tgtgactctt 60
acttacagaa caccagcgga cgaattgcag catgaccatg agtttgagcg gtcactatac 120
tatgccactt tcgggacccg cgatatggcg gagggagtaa ctgcattcct cgaaaagcgg 180
gcacctgtgt ggagaacgcc atcatga 207

<210> 17905
<211> 189
<212> DNA
<213> A.fumigatus

<400> 17905
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<210> 17906
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<212> DNA
<213> A.fumigatus

<400> 17906
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gctgtgggca agtatagggt agctgctctt tatgctcggt gcacaaaggg ttcgactgac 180
aaggtccgtg aaggcaatga atctgattct actaaatga 219

<210> 17907
<211> 372
<212> DNA
<213> A.fumigatus

<400> 17907
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acgcttattg acgagctatt gcaacagcta aagatagcct cggctgatcc gcacattcga 180
gccatcgtca ttgctggttc gggcgccatc ttctcgggta ggtgtctcca cattgaatgt 240
aggcagcatg tagctgagtt gccgccactt gcgatttcca tacagctggt gccgacatca 300
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gtcatgggat ga 372

<210> 17908

<211> 297
<212> DNA
<213> A.fumigatus

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tactcatgtg tttgtgactc ttacttacag aacaccagcg gacgaattgc agcatga 297

<210> 17909
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<212> DNA
<213> A.fumigatus

<400> 17909
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cctgtacctg cctccaacca caccgaagac gtcatcatca ttgggagtgg caacaactgg 180
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cccggagtaa cagtcagcat taacatgatc ggataccata tgacgatgac gaaaatgaac 720
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<210> 17910
<211> 1290
<212> DNA
<213> A.fumigatus

<400> 17910
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acactaacct tctcgggttg ctcgaaagcc aagattcgga aggtgaaggg accggccggc 180
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cacacccacg ttatcgaact agagaagaag cagaagatca accgaacatt caccgtacgc 600
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<210> 17911
<211> 639
<212> DNA
<213> A.fumigatus

<400> 17911
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ttggttctgg aggacctact tgctgaggcg gagcatactg ggatccgggc cagcacgact 540
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tttgtttcgc tctgcgtacc gaatcgaacc ctaagctaa 639

<210> 17912
<211> 399
<212> DNA
<213> A.fumigatus

<400> 17912
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<210> 17913
<211> 660
<212> DNA
<213> A.fumigatus

<400> 17913
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tcgaactttg aaatcggtga cttagatttc ttcagaggag agcagtacga tgcctatttc 540
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<210> 17914

<211> 498
<212> DNA
<213> A.fumigatus

<400> 17914
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agaagatggg ttggctaa 498

<210> 17915
<211> 225
<212> DNA
<213> A.fumigatus

<400> 17915
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agcaccacca ccaagcgtct gtccggtgcc cacgaggatg agacatacga ggaattctct 180
gctaggtatg ctatcacaat tagcaaacca ttggatgcga tttga 225

<210> 17916
<211> 246
<212> DNA
<213> A.fumigatus

<400> 17916
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ctctcagctg ctctgagggc tgcccgccgt gtcaacgact tccccactgc tgtccggatt 180
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acttga 246

<210> 17917
<211> 2622
<212> DNA
<213> A.fumigatus

<400> 17917
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caggtactta atagagatga tctggcggac gcactccgga atcgcttgac tgagttagat 180
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<210> 17918
<211> 570
<212> DNA
<213> A.fumigatus

<400> 17918
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<210> 17919
<211> 516
<212> DNA
<213> A.fumigatus

<400> 17919

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<210> 17920
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<212> DNA
<213> A.fumigatus

<400> 17920
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<210> 17921
<211> 186
<212> DNA
<213> A.fumigatus

<400> 17921
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gaataa 186

<210> 17922
<211> 657
<212> DNA
<213> A.fumigatus

<400> 17922
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cgtgagaagc ggggtcgtga cactggcgcg gagggtgagg gtgacgacga ggacgacgag 600
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<210> 17923
<211> 2001
<212> DNA
<213> A.fumigatus

<400> 17923
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<210> 17924
<211> 351
<212> DNA
<213> A.fumigatus

<400> 17924
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cgaacagaca tgcaatttga ctcgcttgtt agtcctacaa attccaaggt tgctattcct 180
cggattgcgc gctcccagtc acggaacgca gtccgccgtg ctaagagagc atgcctggga 240
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<210> 17925
<211> 720
<212> DNA
<213> A.fumigatus

<400> 17925
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caccaggaag tgcgaacaca ccagggagtg caaacacacc aagaagtgcg accacaccaa 120
gaagtgtgga caaaccaaga agtgcgacca caccaagaag tgcgaccaca ccaggaccct 180
ggtgcactta cactctctag tgcacttaca ctccctagtg catttacaca ccctggtgca 240
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ctccctagtg catttacact ctctagtgca tttacactcc ctagtgcact tacactccct 360
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agtgcattta cactccctgg tgcacttgca cttcctggtg cacttacact ccctagtgca 600
tttacactcc ctagtgcact tgcactcaaa atagtatcat ttctgatatc tggagtccgc 660
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<210> 17926
<211> 675
<212> DNA

<213> A.fumigatus

<400> 17926
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accagggagt gcaaacacac caagaagtgc gaccacacca agaagtgtgg acaaaccaag 180
aagtgcgacc acaccaagaa gtgcgaccac accaggaccc tggtgcactt acactctcta 240
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gtgcatttac actccctggt gcacttgcac tccctagtgc acttgcactt cctggtgcac 480
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tctctagtgc acttgcactc cctagtgcac ttgcactctc tagtgcattt acactccctg 600
gtgcacttgc acttcctggt gcacttacac tccctagtgc atttacactc cctagtgcac 660
ttgcactcaa aatag 675

<210> 17927
<211> 606
<212> DNA
<213> A.fumigatus

<400> 17927
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tgcaagtgca ctagagagtg taagtgcacc agggagtgta aatgcactag ggagtgtaag 180
tgcactaggg agtgtaagtg caccaggaag tgcaagtgca ctagggagtg caagtgcacc 240
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gcatga 606

<210> 17928
<211> 777
<212> DNA
<213> A.fumigatus

<400> 17928
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gctggcccag gtcccggtac cacctttttct ccggtagggt atagcaagat aatgcggact 180
ccagatatca gaaatgatac tattttgagt gcaagtgcac tagggagtgt aaatgcacta 240
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gcactaggga gtgtaagtgc actagggagt gtaagtgcac caggaagtgc aagtgcacta 420
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gcattaggga gtgcaagtgc actagagagt ctaagtgcac tagggagtgt aagtgcacca 600
gggtgtgtaa atgcactagg gagtgtaagt gcactagaga gtgtaagtgc accagggtcc 660
tggtgtggtc gcacttcttg gtgtggtcgc acttcttggt ttgtccacac ttcttggtgt 720
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<210> 17929
<211> 543

<212> DNA
<213> A.fumigatus

<400> 17929
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caggccgcta tcaacggtat ccgcgctgca ggagccacct cgcaatacat ctttgtggag 120
ggcaactcct ggaccggcgc ctggacctgg gccgacgtca atgacaacct gaaggctctg 180
accgaccccc aggataagat cgtctacgag atgcaccagt atctcgactc ggatggatcc 240
ggcaccgcgg agagctgcgt gtctaccacg attggtaagg agcgggtttc ggccgcaaca 300
aagtggctca aggataacgg caaggttggc atcattggtg agttcgctgg tggcgtccat 360
gatcagtgcc ggaccgctat ttcaggaatg ctggagtact tggctcacaa cacagacgtg 420
tggaagggag ctctctggtg ggcggctggc ccctggtggg gaaactatat gttcaacatg 480
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tga 543

<210> 17930
<211> 333
<212> DNA
<213> A.fumigatus

<400> 17930
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acaatcagca cattgatcgg caagggcatg aacatcttcc ggattcaatt cctcatggag 120
agactggtgc caagctctat gacaggctcc tataatgagg agtaccttgc caatctgaca 180
tcggtgggtt tgagcagcag catgttggac tgtatgaggc tgactcgacc aggttgtgga 240
cgctgtcacc aaggcaggat cttatgctat tttggaccca cacaactttg gcagatagtg 300
agtaatgccc ggcatactgt ggacttgttc taa 333

<210> 17931
<211> 1515
<212> DNA
<213> A.fumigatus

<400> 17931
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tcgagagggc gttaa 1515

<210> 17932
<211> 990
<212> DNA
<213> A.fumigatus

<400> 17932
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<210> 17933
<211> 237
<212> DNA
<213> A.fumigatus

<400> 17933
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gacctcgtcg tggacgaaca acggatcggg caacgtcttg gccaaatgca gaaggctatg 180
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<210> 17934
<211> 240
<212> DNA
<213> A.fumigatus

<400> 17934
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gctacatcat ctgttgaacg tctggtgaag gaggaggcct cgtaccaccg cgagctccaa 120
cagcagacgg aaagaatcca aaagctagag tctcaagagc ctggcgagga tgagaatcga 180
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<210> 17935
<211> 618
<212> DNA
<213> A.fumigatus

<400> 17935
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tctccgctcg cagcatga 618

<210> 17936
<211> 1227
<212> DNA
<213> A.fumigatus

<400> 17936
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<210> 17937
<211> 993
<212> DNA
<213> A.fumigatus

<400> 17937
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caatacatct ttgttgaggg taaccactac agtggtgcct ggacctgggc tgacaacaat 180
gacaacctta agggtctgaa ggatcctgag gacaagatcg tctttgagat gcaccagtac 240
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cagtgtggtg gaatcaactg gaccggcccc acaacctgcg agagcggcta cacctgtgtt 960
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<210> 17938
<211> 204
<212> DNA
<213> A.fumigatus

<400> 17938
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acccagcgac gtcaacagaa gaaaatgagc attacacaaa catactacct tgctcacacc 180
gcccggaaga atcttatcct ataa 204

<210> 17939
<211> 657
<212> DNA
<213> A.fumigatus

<400> 17939
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aacggagcta gcaagtcctc tcaaagctca caacctcgac acatccaatg ggccgacact 180
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<210> 17940
<211> 210
<212> DNA
<213> A.fumigatus

<400> 17940
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gtttttctgg gactgatttc agctatcgac ctgatgcatt tatgggcgtc tagatttttg 180
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<210> 17941
<211> 198
<212> DNA
<213> A.fumigatus

<400> 17941
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ggagagaaag cgagcctgac atccatggct cgggcacaac gggataactg ggtccacctg 180
agaaaacctg aaaaataa 198

<210> 17942
<211> 582
<212> DNA
<213> A.fumigatus

<400> 17942
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ctggtggtag taagggttct gctcaacaca ggtgtagccg ctctcgcagg ttgtggggcc 180
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<210> 17943
<211> 297
<212> DNA
<213> A.fumigatus

<400> 17943
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gtcccgagca tcgttagtgc agtcaaagga gctcggaccg tcgtcatgac cgattaccct 180
gatccggacc tggtcgagga catgcgatac aatgcctcgc tctcggcggt tatcattccg 240
aggtgtcatc ccttcatgtt gcttgataca aatggggtga tccggttgaa ccgttga 297

<210> 17944
<211> 360
<212> DNA
<213> A.fumigatus

<400> 17944
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gccttgggcc gagatagttt cgtgattctt gatgggatga attacatcaa ggggtatagg 300
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<210> 17945
<211> 945
<212> DNA
<213> A.fumigatus

<400> 17945
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aaggaagcat cgacaataaa tgcagacccg gaagtcgaag cgcaaaacac tacacaaacc 180
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atcccacacc catccacctc cactgaaccc gaaacccccg tcacatcact cacaagtgtg 420
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accccgcgca ctgctgcgct ccaccgccca aagatcaaac cccaccaggc caccgtccaa 540
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<210> 17946
<211> 678
<212> DNA
<213> A.fumigatus

<400> 17946
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tccaatgcct gtctcttccg ccacgaacgt gaggctcatg ggttccacgg tcatggtgat 180
aaccctcacc tttgcctgtt cgaaggatgc gacagatccg tccctggata tggattcccc 240
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cctagctctc cagaacactc tccctctggc gtttccgccc ctaaaaagaa ggaggctagc 360
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aacggacttc ccgcatga 678

<210> 17947
<211> 207
<212> DNA
<213> A.fumigatus

<400> 17947
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ccaatgattt cttccatgct caagagttct cgcagtgctc gtcacacctt ttctggcatc 120
ggcacgtctt gctttgagag ctctttcttt aaacagacta ctggacccat atcgggccag 180
taccactgca gcgtcaaact tgcttga 207

<210> 17948
<211> 513
<212> DNA
<213> A.fumigatus

<400> 17948
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aactgcaaat tctcatccaa ggtcactggc ttgccagagt ttgttgttcc caggttgcga 120
gatcttctca gagactacct gaccaactcc ggcgactctg acatcaatcc ttcagagcct 180
ggatcgcgct ctctgaaggt gaaactaaaa atcgccggga acagatcaca gaatactatc 240
cgcgtcatcg aaaaggaaaa gaagttgata aggtcacacc gggtgacgga ctacatcaac 300
tcagtttgcg aacggtttca agaactgctt gcattatact ttccgtatga tgaggatgac 360
ttcgactatg agaggcgggt cactttgact ttaaaggtca ttatgaagcc gttacatgga 420

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acttctaagc aagtttctgg aacaggaaat taa 513

<210> 17949
<211> 219
<212> DNA
<213> A.fumigatus

<400> 17949
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ctcaacatca tctggcttcc gattggcgct cacgacacct ggggcttccg gtcagctcac 120
gaagcgttca tgtccaccta caacggtacc gggggccccg ccagcttgga actggtgtct 180
ctcctacctg gccactgcag gtattctgat tgggtttga 219

<210> 17950
<211> 645
<212> DNA
<213> A.fumigatus

<400> 17950
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caaaggcggc cacgtcttca tgaacatcat ctgcattgta gctctgtggc ttgtaagccg 120
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<210> 17951
<211> 327
<212> DNA
<213> A.fumigatus

<400> 17951
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tctgcgtccc cgtctgcagg ctcaatctat ctgtgggctg ccgaagctgg cggtcctaga 180
tttggaagac ttcttggttt caccgttgct tggtggagta ccactgcttg gactaccttt 240
tgcgccagta acactcaggc cgctgtgaat tatatgctct cggtaagctt gcaagtgtat 300
tcatctgcta atcagggccc gagctga 327

<210> 17952
<211> 186
<212> DNA
<213> A.fumigatus

<400> 17952
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tttgtgtccc tatacgccgt tgtcctcggc aaaggcggcc acgtcttcat gaacatcatc 120
tgcattgtag ctctgtggct tgtaagccgt ctttcgctca ctatacccc ccaaagcaca 180
ttctga 186

<210> 17953
<211> 411
<212> DNA
<213> A.fumigatus

<400> 17953
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cccgtgacgg agtcctcccc ttctccggct gggtctcccg cgtccacaac ggccagcccc 120
gcaacgccgt cgtcgtcgtc tggaccgtcg ccgccctcgt cacctgcacc ctcctcccat 180
caagtgtggc gttcacatcc ctcgtctccg cagccggtgt ccccagcgcc gccgcatacg 240
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gcctgggccg cctcagcaag ccattccagt tcatcggcgt attctggaac gcctgggtcg 360
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<210> 17954
<211> 243
<212> DNA
<213> A.fumigatus

<400> 17954
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accctggtaa tcggtgcgaa cgataccgtc aaccctatcg ccttggaacc cgactctccg 120
atctccggca tgcctgtttt gcatgcctgg aagagcaagg aagtaattgt gatgaagcgc 180
ggcatgtcca gcggatacgg taagtgcttt ctttctttca tcctatccag aacgtatcac 240
tga 243

<210> 17955
<211> 192
<212> DNA
<213> A.fumigatus

<400> 17955
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atgcccgagg acgcctggtt accccggaac cgtatctcgc atttcattga cagcaagggc 120
gccgtctcgg agaccgtgga ggaggtcggt tcgtcaagaa tggcacagca tgagggaaca 180
gcgtcacaat ga 192

<210> 17956
<211> 207
<212> DNA
<213> A.fumigatus

<400> 17956
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gagtcaacga gtaagtatgc tcgcttcgtc caacgtcata atgctctaac acagcatcta 180
ggcttacagg gagcgacgca aacttga 207

<210> 17957
<211> 735
<212> DNA
<213> A.fumigatus

<400> 17957
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gccgcagcac tctccccgga tgactcgact ctgggtgcct cagacgaggc tttcgctgag 240
gctctgcaaa tgcaagaata tcaggaatcc ttttccaagc gtcggaagat tgccgtgagc 300
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gtcataatgc tctaa 735

<210> 17958
<211> 345
<212> DNA
<213> A.fumigatus

<400> 17958
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agaacgctga agtcgtacca gctcgagggc ttgaactgga tgttgcagca agagaaaagc 180
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tcccttctca tgtctgatta tcctgtcggc aaaccatcgc ttgttgtggt gccacctgtt 300
gctttaatgc aatggcagtc tgaaatcaaa gtacgtttgt tctag 345

<210> 17959
<211> 1215
<212> DNA
<213> A.fumigatus

<400> 17959
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<210> 17960
<211> 246
<212> DNA

<213> A.fumigatus

<400> 17960
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cgtattggtc aacgacggcc ctgtgtcatc acccggctct gcattgagga ttctgtagaa 120
tcgcgaattg ttctgctgca agagaagaag gcaaatctca tcaacggcac gttaaacaaa 180
gatcaagggg aggcgctgga aaagctcacc ccggaagata tgcagttctt gttccgcgga 240
tcgtga 246

<210> 17961
<211> 390
<212> DNA
<213> A.fumigatus

<400> 17961
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gccgaggaca tagcagtcga gcaatggcgc cgtgttattg atgtaaatac gacaggatca 360
tggatcgctg cacaagcagt ggggaagtaa 390

<210> 17962
<211> 438
<212> DNA
<213> A.fumigatus

<400> 17962
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tccaaggcag cggtgctaca catgaagaat agcttggcag cggaatggac gcaatacgga 180
atccgagtca attccatctc cccgggatat atggatacgg tgctcaatga gggcgaggat 240
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gagctaacag gagtatag 438

<210> 17963
<211> 243
<212> DNA
<213> A.fumigatus

<400> 17963
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tga 243

<210> 17964
<211> 384
<212> DNA
<213> A.fumigatus

<400> 17964

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ttcatcaatg tcacacaaac cgagatggct agctccggaa agttactcgt taccgaactt 180
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caattcctga agttcttggg tgacaagaag ctgcttggaa gtcctttcca gattcaacta 360
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<210> 17965
<211> 867
<212> DNA
<213> A.fumigatus

<400> 17965
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aagctgggcc ggaaagagag catgtttcgg acaggggagg gtattaactc ccgaggtaag 840
gcaccattat ctaaggtccc agagtga 867

<210> 17966
<211> 351
<212> DNA
<213> A.fumigatus

<400> 17966
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ggactcacat gccacagata tgaagccaag aaggtcctca agagccagac agataccgac 120
gacagtgaga ttcagtttat actcgaatac tattcgctcg tccgtgaggg caagacgaac 180
tatgttgcaa cgaccgcatt ccgcgatgtc acttcggatg agccccagca gccggtagac 240
ttcttccggt catattttga ggagtttgct ccgaagaaag gcgcgaagaa gaaggaaggt 300
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<210> 17967
<211> 186
<212> DNA
<213> A.fumigatus

<400> 17967
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ggtcaagcga agtccccgca tcgtcgggac aaagggtgga tgacgactcc ggtgtcaaac 180
acgtag 186

<210> 17968
<211> 189

<212> DNA
<213> A.fumigatus

<400> 17968
gaacatatgc ggaagatgag agatgcaagt gacagcctca ttaaaaaatg tttcccctca 60
aagtgggcga tgcatctaca tgaccaacat ctggcaaagg ttgcacataa cacctatgtt 120
cctctgttgc agaaaaccag aagaccctat gatgaaaaga ttgccattag aatagagcat 180
aacacgtga 189

<210> 17969
<211> 303
<212> DNA
<213> A.fumigatus

<400> 17969
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gacagccgcc tcgtgtcgta cgctgaagat ggtctcctat tcgaggatgg aacccatttg 120
ccggccgatg tagttatcta tgccaccggg tatacaggaa acctccgcga ctcggtgcga 180
gaatacttcg gtgaaggaat ctatgcgcag gtggaggatt actggggcat taaccaagaa 240
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tag 303

<210> 17970
<211> 312
<212> DNA
<213> A.fumigatus

<400> 17970
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acgtgtcgcc atgttgtact tgccactggt ggaccgtgca ataaaccaca caagcctttc 180
tatcctggtg aagagagatt caagggagtt gtccggcatt cggcgagata tcataacgcg 240
cggaactgga aaggtcagcg aggtgtcgtg gttggaacgg ccaacactgg tgagcaacgg 300
acaaagtcat ga 312

<210> 17971
<211> 297
<212> DNA
<213> A.fumigatus

<400> 17971
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tcgatcgatc tggggcagga ggataaagag tggaagattt tgttgcaaaa gcacacgcct 180
gattattctg atgctcgtga gttctggcta gatttctatt ctctgtctaa gtaccccaat 240
ttggatgagc ggggaatgga tctgctgaag gatcaggaca gtaaaaattt tgcatag 297

<210> 17972
<211> 711
<212> DNA
<213> A.fumigatus

<400> 17972
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ccatctgcaa taatccctga cgatgtcgac gttgcatcca ttgccagttc ctttgctaac 120
tctcttgcgc gcttgtcagc atccgatttt gccgaggtcg ctatctggcg agattgtttc 180

gcattgactg gaactttgag aacattctat actcctcgga cagtttccga ggtctatcgc 240
aaccggtgtt tggcgcgacg agcccaattg ttcatcgtac aagcagacga agcacatgtt 300
gtgcgtatta gcccatcgtg tagctggatc gacgttcctt tccgcttcga agccaatgcc 360
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gtgtcttatc tcgtaataga caagaaccca cgtgtgggcg acaactggcg tcttcgatat 660
gactctgcaa aatgtgtgtt cttcaggctc ttccacggga atgtggctta a 711

<210> 17973
<211> 1509
<212> DNA
<213> A.fumigatus

<400> 17973
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tccccgtcgc taaattgcga cgagtaccca ccagtagttg atctcgagaa atcgatctat 120
agtctggcga caactggaaa ggagacgaaa aagatgaaga ctattcagct cggtcagctg 180
tccgatttca agcagtcgcg ctacgtgatt catctctccg atggcaagcg tttggtgttg 240
ttccgcttgc ccactatcga atcttccaaa ggcagcagcc ccgcggcaaa tgaaaccgag 300
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gactctcacg tggatatcga ggattccgcc tacattgcgt catgtccgtg gcacgcgtac 420
gactttaatg tcgagactgg ggagtcgagc gtgggcatca aagcatgcac gttccctgtg 480
aagattggtg atgaacaggt cactttacag tatccgggcg atgcttccct ggtacggctc 540
gaccccgtca gcgagaagat caagctgaag aaaggctctg tttcggagcg tccaaccgta 600
cagcccgtat cgcaacagac gacaccggcc aagtaccttg acgaggacgc cacattatgt 660
gactgggcgg ctcatatcct gaatacatca aatcacgaac acaaaatcga attaactgcc 720
cacttatacg ctacattcac cgaaagagag aggactcctt cgccaatgcc tatcggcagc 780
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acgaatgcac ggaagcattt ccgaggggcc ttgaaggagc cgttcaacca tgaggcgagg 1440
atgcaggccg gcctaaatcg gcaatactat gagaatctga tgggacagcg tgacatcgct 1500
gtcagctga 1509

<210> 17974
<211> 552
<212> DNA
<213> A.fumigatus

<400> 17974
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tgccccgacg gcgaaaccta ctacaagtgg cagggcaaga caacttctgc ccagtattac 120
gtcaacccta aaggcgttac ccctgagaaa ggttgccagt ggggcgatgg cactcaggct 180
atcggtaact gggctcccgt caaccttggt gtcggcctga acaagggcaa atggctctcc 240
atcttccaga acagccccac aacttccgaa aagcttgact ttaacattaa gattaaaggt 300
gataacctca gcggctcctg caagtacgaa aatggtgtct tctactccga gaccggtagc 360
agcagctctg gatgcactgt aagtttgggt caccctacta cgttgagaat agtggactta 420

caaaccgtct ccaacaggtc caagtcatgt ctggcgatgc cacctttgtc ttctactaga 480
gtgcgaagtt gtccagctcc aatggtagtg cgtgctgccg ttgcgcgtaa atgtaacggc 540
cacctcagat aa 552

<210> 17975
<211> 873
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (314)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 17975
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caccaccagc acaagcgcga ggacgtggtc gaatccagtg ccaccgtcgt gcaatacgag 180
ctggatggaa agccgatttc tctcaagcag gtgtgcgccg gtctggctga taacacactc 240
aagtttgcca acaacgacca tcctaccggc atttgcgaca acctgagcag cgccgctgct 300
cttgcctcca cgcntgaggt cacctcggct tttgccccag cccaatttat tgagctctct 360
tccgttgtca cctcggccac cccgacctca gcttcaagct cagagacggt ccagacccct 420
gccgcctcca gcagctctgc ttccagctct tccactgcga ccggtctgga tgccgacttc 480
cctgatggag aacttgactg ctctaccttc ccatccgagt acggcgctat tcccctcgac 540
tacctcaaac tcggcggatg gtctggtatt cagtatgtct cctacgccgg caactttatc 600
aacgatatcg tgacggccgt cgctggtgat acctgcaaag atggtgccat gtgttcgtat 660
gcttgcccgc ctggttatca gaagtctcaa tggcctagta cccaaggcgc cactggccag 720
tctgttggtg gtattgagtg ccgtaacgga aaactccacc ttaccaatcc ttctctctcg 780
aagaagctct gcattccggg tgttggaggt gtccacgttc agaacactct gggcgaaact 840
gtggctgttt gccgtactga ctatcctggt tag 873

<210> 17976
<211> 1146
<212> DNA
<213> A.fumigatus

<400> 17976
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ctgaaaaacg aggcgatctg gcttgtgctc accacgaaga agcatgttgt cgacaagaac 180
cgtttaaagc ccggaaaaat cagcattcca cactccctca atgcctcgcc gtcgttaagt 240
atttgcctta tcaccgccga tcctcagcgc tcggtcaaga atatcgtcgc cgatccttcc 300
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gatgacagga tcatcatgcg gctggtaaat actcttggaa aggtgttcta caagtcgagc 480
aagcggccaa ttcccattcg tattgccgaa attgagaaag tggacggcaa gaaggtcaag 540
aaagacccca agaagaagtc aaaggacgat gacagttctt tcgcgtcccc agcaatagtc 600
gccaaggaaa ttgagaagac gttcaactgc gccgccgtac aacttgcgcc tgataccacg 660
gccgcaattc gtgtgggctc atctaaattt actccagagc agctcgccga gaatgttgaa 720
gctgttgtca agggtttgac ggataagttc attacgaagg gttggaggaa cgtcaaggct 780
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aagaatggca agaagcgcaa gcaaattgag gatgacaaga agttactcga ggacaacaag 960
aaggccaaga agccgaaggc tgatgaagat gacgatgcgt tgtccatggc tgcaagaaaa 1020
gagaagcttc agcggcagaa ggctaaggcg ttggaggatg ggaatgagtc gggtaacaag 1080
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tcataa 1146

<210> 17977
<211> 228
<212> DNA
<213> A.fumigatus

<400> 17977
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ctagattctc aagccaagca aaagatagaa atggtgaagc atgagctgat agagaccatg 120
cctcaatggc tcatgcctgc atacgttatc tgtgttgtgt atgcaaaagg cgcgtccgcc 180
gcgtctagcc tcatgtgctc ccgcgttcta tggttcgagt ccccgtga 228

<210> 17978
<211> 195
<212> DNA
<213> A.fumigatus

<400> 17978
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agcaactcca acatcgcatg gattggatca ttacaagctt ttttcatgta cgccagcgga 120
cttgtgtctg gtcccctcat ggatcgatat ggaccaagag taagggtgat aaccttgcga 180
acagacaatt actga 195

<210> 17979
<211> 963
<212> DNA
<213> A.fumigatus

<400> 17979
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aaagaatact accagttcat cctggcacaa ggcgtccttg gcggcgtctt caacggcctg 120
acatacactc caactgtgac tgcggtgaac cagcacttct tcagacgcag acctcttgcc 180
ttggggatcg cttccagtgg ctcttctctc gccggcatca tcatccccat cgcgctgaac 240
cgcatgttca atcaatcgtc cctgggcttt ggctggtccg ttcggatcct cggattcatc 300
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ggtgtatttc tggttacctg ggctctcttc gtcccaatgt tttacatccc aagctacgca 480
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ttaggtgctg tgatcatctt tgtcgctcgg gtggtatatg cgggctggag actcgttgcc 960
tga 963

<210> 17980
<211> 450
<212> DNA
<213> A.fumigatus

<400> 17980
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accctcaccc ctgaggagaa atcccacctc gcccaacaaa tcacccaggc ctacgtcggc 120

ttcggcctcc cagcattcta cgtccaagtg cacttcatcg agcaaccagc cggtacatcc 180
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cccatgttcg agcccaaggg gatcgactgg gagtatttcg tgacggaggc gccgagggat 360
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gttcgagaga acaggcctgt gaggttctag 450

<210> 17981
<211> 327
<212> DNA
<213> A.fumigatus

<400> 17981
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cacttggatc acaagctccc ctggaataca gtgtcagcgc actttgcttt cacaaaggac 120
aaccaagaca ttcgcagaaa cgatttcctc gtccatgatc gcttagttga tcgtcaatcc 180
gccgatttca agcacttcac gcagactctt atttccacca ttgaggagtt ttccgccact 240
gaacgagcca aatatccacc tcctgccgcc ctgccgaaat ccgggcctct atatgacgca 300
gcgattctat ctctccatct gaagtag 327

<210> 17982
<211> 684
<212> DNA
<213> A.fumigatus

<400> 17982
aagtatcacc ttggaccaca cgcgaccaac tccgcggtat caaatccact gagtgaggag 60
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gccgatgcag tgaagatgct cattatctcg aatgagatgc tcgctctgtt acgcctcgca 180
aaccacgaga aaatcccact aatggatctg aaccatctta gctggggcca cagcttcggt 240
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gtcaaggcca atgcaaaacc aggatctgcg aatgagactg gttgtctgac ggagacgcgg 360
cggttccgaa gctttgctag ttggggactg ggtgatttcg atttcccagc tcaaaacatc 420
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tggaatgaca atatcctatg tatactacat acatggggtt gcaagtgtat tgccttaagc 660
cagtcagggt tctgcttcat ttga 684

<210> 17983
<211> 240
<212> DNA
<213> A.fumigatus

<400> 17983
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aacggacacc acctgaacga tccatcttcc tcttggggtg ggttcaagga aagtggtatg 120
ggaaaggaga atggcatcga ggcctatgag agctacacca aggtcaaaag tacagtgatc 180
aactatgggg tgcagcctgt atggtttgat gacgagcccg ccaatgcacg gtatggctaa 240

<210> 17984
<211> 513
<212> DNA
<213> A.fumigatus

<400> 17984

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gactggatgt ccctgctgat caaggccgtg gaaaacaccc ctgagggcca ggcaatgatc 180
gcgagctgct ccagatggaa cgtggccgtg caccagaaat cccctcgccc ccttactgtc 240
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gggaatgccc tcgagcaaat cctcaaggcg cagggtatca agacagttgt cattgtatgg 480
aacacgcttt tcttgaatat gacagtatgc taa 513

<210> 17985
<211> 261
<212> DNA
<213> A.fumigatus

<400> 17985
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atgtaccggt tgtttgatct ggactatgat atgtacgtga tcagagacaa tgtggtggag 120
ttacctcccg cccagaacac ggcgttctca aacgtccttc tcgacatgct acttcctaag 180
atgggtttga aagtgatttc tctggaggat gcactggagg cgctgagtcg ttcggaaaaa 240
agtgcggagc ggacagtctg a 261

<210> 17986
<211> 345
<212> DNA
<213> A.fumigatus

<400> 17986
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gccggatacg caattgccac tcttgtcgtc aacaagattc atatgacgct tggacaacga 120
gggattgcga tcattggtcc gctatgccac atcgctccgt tcgtgatcat ggccatccac 180
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ctcggggcgt tttatggtgt ggggtacgtc aaacatgtgc gatga 345

<210> 17987
<211> 198
<212> DNA
<213> A.fumigatus

<400> 17987
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gggcgtctgg ttctgggctt cgtgaacgac tggttgggca tgtatcccct ctacgcagcc 180
ctagcgattg aatgctga 198

<210> 17988
<211> 378
<212> DNA
<213> A.fumigatus

<400> 17988
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agcaatactg acggtcgacc cagggcaaca ctgagcccaa caatcgcgac gcagatgatc 120
aagtcgggcc tgcactggaa ctatttctac tacactcttc ttgggggctc cgttctggaa 180
ctgttgacca gcgtggctac attctggcaa gaaaatgcag ttagctacag agccaaaaac 240

cgcaggagcc ccgatagcag cggtgggagc cgaaccacgg aggcaatgaa aagtcccatt 300
acctggctga tcgccagctg gctgtttgtg tacatgggtg tcgagggtgc gttgtctgac 360
cttctctgga gcaaatga 378

<210> 17989
<211> 183
<212> DNA
<213> A.fumigatus

<400> 17989
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gatcgacgag atgcgctgca gccattcagt gttggcccac gaaactgcct tggacggaag 180
taa 183

<210> 17990
<211> 258
<212> DNA
<213> A.fumigatus

<400> 17990
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gggacgctta ccttggacgc actcgaaatg catcaacgct acggagatat tgtacgagtc 180
gcccctgatg agctcttttt cgcccaccca gatgccctgg tccgacatcc acaagaagac 240
tgggagggag atggataa 258

<210> 17991
<211> 192
<212> DNA
<213> A.fumigatus

<400> 17991
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cactttgaca tgaagattga tcctgactgt cgtgactgga tccagcagag aaatttcacc 120
ctctggcaga agcctccact taaagtctac ctgaagccag ttgcaaggaa gtcagagcct 180
aatcaggtgt aa 192

<210> 17992
<211> 276
<212> DNA
<213> A.fumigatus

<400> 17992
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acagatcctc ctgacactac cgttgccaag atgggcttga tcgaggggct gcaggcggct 120
ctggactatc tcgagaaccc tactgcactc actgcaacga gcgtcagcat gtgtctatgc 180
tggcttgcta cttacgctgg aatggtccgc aaatcgtttc aggaccgttc ctacagcatg 240
ccattgatgc cactttgctg ccatatcgcc tttgag 276

<210> 17993
<211> 690
<212> DNA
<213> A.fumigatus

<400> 17993

tcggagggac gcttaccttg gacgcactcg aaatgcatca acgctacgga gatattgtac 60
gagtcgcccc tgatgagctc tttttcgccc acccagatgc cctggtccga catccacaag 120
aagactggga gggagatgga taaagccgca tggttctacc ggcctttaga acagagccca 180
cgatgcattg tggacgaaag ccacgagcag cacagccggc tgcggcgaca aatggcgcct 240
ggattctcag agaaatctat gcgagaccag gagccgatca tccggggtta tgtagacctc 300
ctgctgcaaa gattgctgga aaagagcaat gacggtcagc ccgttgtcat ctcagactgg 360
ttcaactaca ctacgtttga tataattggt gacctggtct tcggggagcc ttttgaatgc 420
ttggggtctt cgaagtatga tgggtggatc aagagtattt ttgaatccct tcgcccctta 480
acaattgtgc aagctctctc gttctttcca tggttgaaac gaattgccct agacacggtc 540
ccgaagaatc tgcaaggaga tatcaagcaa caacaacagc agacagaagc caaaatgcgg 600
cgacgcatgg ctgtcactgc aagtcggggg gatctgatgg aaggattgct caagaagaaa 660
gacgaattag ttagtaattt ggcgctttga 690

<210> 17994
<211> 378
<212> DNA
<213> A.fumigatus

<400> 17994
tacaggaatc gcattggcac taacggccgt ccactgacaa acttacagca cctgagcact 60
gaagagctta ttggtaatgc tcaagtcctc atcctcgcag gttcagagac gactgcatcc 120
ctcctcagcg gagttatcta tctactgctc cagaatgcgg tggcctatcg gcagttagtt 180
gatgaggtgc gctcaacttt taacagcgag aaagacatca actttgtcag tgtcagccaa 240
ctgtcataca tgctggcttg tttgaatgaa gctttgcgca tctatccacc agtggcgaac 300
ggtctgccgc gtgtcgttcc caagggagga gctcagattc tgggacagta tattccggaa 360
caggtccgaa gacattga 378

<210> 17995
<211> 1590
<212> DNA
<213> A.fumigatus

<400> 17995
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ctgttcacac aaactcccca gcgctcgggt atcgtgaggc atgtggctct ggaagtggtc 180
aatagcgctg cacagggcgg tttgatagac ttgcaggccc tagcgtatgt caaggatggc 240
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atccagaaca aaatcgctca aaccatcacc tttctcttct ctgcactcta cgccagcggg 360
tgggaatcat tcttcgatga tctcctcggc ttgacccaga aaagcccctc gagcacgacg 420
cgcgacaacg catccggaat tatcttctac cttcgggtta ttaactcgat ccacgacgag 480
attggcgatg ttttggtctc gcggtcccgc aatgaacagg acaaggcgaa tgcgctcaag 540
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gaatggcggg acggcaacga tgttattgtg gagatgtgct tgaaggctgt cggcagctgg 660
gtcagctgga ttgatatcgg tcttgtggtg aaccagacaa tgcttgatct tttgttccag 720
cagctgggcc gggcgcagaa agaggatttg agacaaggag aagagaaggt gcgggatgcg 780
gcggtcgatg tcttcacgga gatcatcggc aagaagatga aaccggagga caagatcgac 840
atgattatct tcttgaatct cgatactatt gtttctcaac tctcgaatag ccccccctctg 900
cacggaaata ggttcacctt caaatatgac acggatctgg cggaaaccgt cgccaagtta 960
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gaggaagatg agcagacgga cgaggcagaa ttccaagaac ttcgcaagag acttggtatc 1320
ctccagcaaa tgattgcttc gatcaatgaa cagctgtaca tggaagttgt gtcggagatg 1380

gtagcaacta cttttgagaa cctgcggcag tcgggctccc aaatggactg gcgtgaccta 1440
gatcttgcct tgcatgaaat gttcttgttt ggagatctcg ccgtcaaggc cggaagtctc 1500
tacaccaagg gtaaccccaa caaccaggct gccgaaaggc tcatcgaaat gatgctgagg 1560
atggtcgagt ccggtaggta catcaagtag 1590

<210> 17996
<211> 1071
<212> DNA
<213> A.fumigatus

<400> 17996
cgtttagaca ttcgttcatt cacccatccg gcaacgcaat tacagtatac ggaaatctgt 60
gtgcgctata gctcattctt tcatcaccat acccatctga ttccaggtgt gttggagaac 120
ttccttcaac tggttcacca ccccatcaag aaggtgaaga ctcgttcttg gtacctttc 180
cagcgattgg tcaagcaact cagacagtac gttggcaacg tcgcgcaaac cgttgtggaa 240
gctctgggcg accttctcgt aattcgcgcc gaactgcctt cggaggtatc tgaaggtgat 300
gagatgtcct cggaggacca cgaattagcc gacgccatct tcaatagcca gctgtatctt 360
ttcgaagccg tcggtatcat ctgttcgact cccaccatct caccggataa acaggtcctc 420
tatttgcagg cggtgctcaa tcctatattc ctcgacatgg aaaagaatct tgaggcggcg 480
aaatcacagg atgaacgagc cattctgcag attcatcatg atatcatggc gctgggaacc 540
cttgcccgcg gattttcaga ctggatgcct ggaacgaaca cgcccgctac cctacctgca 600
cccgaagtct cagcagcgtt caatcaggtg gcagaagcta cgctggtggc cttggagtcc 660
cttaagtcct cattcaatgt tcggacagcg gcccgatttg cgttctcgag gctcatcggt 720
gtcctcggtt ctcgaattct gccacagttg ccaaggtgga ttgacggcct tcttactcag 780
acttcttcgc gcgatgagat ggccctgttc ctacgtctcc tagaccaggt tattttcgga 840
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ttctccggaa tcgccgatcc cacaacgggc acggatgatg agattcaact ggccgagctg 960
aaacgggaat acctgaactt cttgctggcc gttctgaaca atgacttggg tgctgtcatc 1020
atcagtgaac gtgagtctca gaatcaacag tcaatccttg tttcagtgta a 1071

<210> 17997
<211> 507
<212> DNA
<213> A.fumigatus

<400> 17997
gctaaccctg ttccaggaaa tcaacccatt tttgagactg tcatctctac gattgagcat 60
ttctccaaag atatcgatga ctttaccaca gcgaagatgg ctttctctgt tctttcgaag 120
atgagcagct cgtggggcgg tccggatgtg atcgcggaag cttccaacgg gacccctcca 180
tcgcaggctc cgctgcctgg ttttggccag ttcatgatta caagattctc gccgttatgc 240
tgggcgctgc cgtccacacc ttttttcaac tccaaggatg cgcaggccaa gcaggttctt 300
gccgaagcgg gcgggttaca gcgtacgata tatgccaaaa ccggcatgga gtacctgacg 360
tatctccgtg accgtgaact gcccggcatg ggtatgggtg gagaattgat tgaagagttt 420
gtgggtgctt tgagccggct ggacttgaag gggttccggc aattctttcc ggtatgtctt 480
tccaacttcc atattctctc aatctga 507

<210> 17998
<211> 360
<212> DNA
<213> A.fumigatus

<400> 17998
cttgacaact ccgtccgaga acaaggtcac acaatcatgt ccgtcaccac aaaagccaca 60
attgcctcgt ttggcggcaa gctgctcaag ctgagccatg ccgccgcctc cacaaaatgc 120
gagatgaact tcaacctcta cctgcccccc caggccttcc aggacccctc ccagaagatc 180
cccgtcctca tctacctgtc cggcctcacc tgcacagccg acaactgctc cgagaagggc 240

ttcttccagc acggcgccag caagaaaggc attgcggtac tctacccaga caccagtccc 300
cgtacgttac agccccaacc cctagccccc ccccccccc cgggcactgg ccaagaataa 360

<210> 17999
<211> 300
<212> DNA
<213> A.fumigatus

<400> 17999
agaagtggaa ggggcggttg gatgtcctca ttgacgtggt tagtcttctt gctttcgctg 60
tttgactttg gaggaggact gggggggagag aaaaagactg acagattgcc tcagggtacc 120
ggcgataatt tctacaagca gggccagctt ctcccggaga acttcgagaa ggctgccaag 180
gaagctggcg tcgagggcgt caatatccgc taccagcctg attatgacca tagttactat 240
accatggcga cgttcgcgga tgaccatgtc gagcatgcgg ccaagtatct ctttgcttag 300

<210> 18000
<211> 648
<212> DNA
<213> A.fumigatus

<400> 18000
caactccgtc cgagaacaag gtcacacaat catgtccgtc accacaaaag ccacaattgc 60
ctcgtttggc ggcaagctgc tcaagctgag ccatgccgcc gcctccacaa aatgcgagat 120
gaacttcaac ctctacctgc ccccccaggc cttccaggac ccctcccaga agatccccgt 180
cctcatctac ctgtccggcc tcacctgcac agccgacaac tgctccgaga agggcttctt 240
ccagcacggc gccagcaaga aaggcattgc ggtactctac ccagacacca gtccccgtac 300
gttacagccc caacccctag ccccccccc cccccgggc actggccaag aataacacta 360
atattgaaca aaatgatcga aacaggcggc ctggacatcg aaggcgagaa tgactcgtgg 420
gacttcggca ccggcgccgg cttctacgtc gacgcgacaa aggctcctta caacaagggg 480
tacaacatgt acacctacgt caccgaggaa ctccccaaga cggtctttgc ggcgtttcca 540
cagcttgatt cgagtagggt cagcatcacg ggtcacagca tgggtggaca cggggcgctg 600
acgctggtaa gttctgtcca gagcgatgtt cgagagtggc tggactga 648

<210> 18001
<211> 243
<212> DNA
<213> A.fumigatus

<400> 18001
caaaaagtgc ccgcgctgaa acagtacctc cgtaaccccg gcaaatacaa atccgtctct 60
gcctttgcgc ccatcgcaaa ccccatcaac tgcccctggg gccagaaagc gttcgcgggc 120
tacttcggcg aagaccagaa agcgaaatgg gcggagcacg atgccaccga gctggtgaag 180
aagtggaagg ggcggttgga tgtcctcatt gacgtggtta gtcttcttgc tttcgctgtt 240
tga 243

<210> 18002
<211> 339
<212> DNA
<213> A.fumigatus

<400> 18002
gttataatta cctccttcct tttcccggaa ggaaagttct ctcttgagcg attgcaatcc 60
gttctcacgg ctctgggagg tgacaaatcc aagctggtct tggatctcag ctgccgcagg 120
aaggacaaca catggttcgt ggccatgaac cgctggcaga ctatcacgga aatggagatt 180
aaccagggta tacttcagtt caattttgtg cttctcactg caccgaagct aaccctagcc 240
cagaatcaat ctcaatgctt gagccgtatt gctccgagtt cctcattcat gctgcagatg 300

tggaagggct acagcaaggt attgacgaag agcttgtag 339

<210> 18003
<211> 462
<212> DNA
<213> A.fumigatus

<400> 18003
gataagcaca gcccctcgtc ctaccaaaga cgactgtggg gtgttaccat tattgccaga 60
aacctttttgt gggaacagat tgaagttgac aagatgacca agtttcggcc ttgtattgac 120
cttcattcgg gtcaagtgaa gcagattgta gggggcaccc tgagcgatag agactcggac 180
ctaaaaacga attacgtatc aaagctcccc gccagtcact atgcagaatt atatcggaag 240
catgagctgc gcggtggtca cgttgtgatg ctcggacctg gcaacgatga agcagcaaaa 300
gaagcgctcc gtacgtggcc gggggggctg caggttgcag ggggaataaa tgacaagaat 360
gctcggtatt ggattgacca gggtgcagac aaggtaggtt ttcttctcac tccggctggc 420
tgtatatggt cgagccatct gtgctctcgc ttagtacaat ga 462

<210> 18004
<211> 345
<212> DNA
<213> A.fumigatus

<400> 18004
ccagggtata cttcagttca attttgtgct tctcactgca ccgaagctaa ccctagccca 60
gaatcaatct caatgcttga gccgtattgc tccgagttcc tcattcatgc tgcagatgtg 120
gaagggctac agcaaggtat tgacgaagag cttgtagcga agctggccga atggtgctca 180
atacctgtca catacgctgg tggggcccga agtctgcagg atcttgaaag ggtccatgtg 240
agcagtaacg gaaaggtcga tttgactatt ggtagtgctt tggatatctt tggtggcttg 300
ggtgtaacgt tcaatgagtg tgtgcggtgg aatgaacagc attga 345

<210> 18005
<211> 210
<212> DNA
<213> A.fumigatus

<400> 18005
aatctcacct ccattttctc ttacagaccg attgccgatc gttgtgagga taagtcgatc 60
tctcagctaa accgcagtgc tttgacgtct atcaatcact tatcgcacct ctggtcacga 120
caacgtcaaa atgaagcccg ttgtatcggt gctaaatgcc tgttcctggg taaggtcatt 180
gtccactccc aaaacagaat tacatactaa 210

<210> 18006
<211> 561
<212> DNA
<213> A.fumigatus

<400> 18006
gctctacgaa cctatcagac cgcaaagcca cctacattgt ctacagagtc gacaaccaca 60
aaacctgctt ccaaaaaggc caagaacaaa aaggaggaag acgacgacga tgatatggat 120
gcggaacacc tgaagaatga tcttgccttg caacgattgc tcaaggagtc tcacctttta 180
gactccgcat cggaacttgc gccaaccggc aaaaaccgcc tgaaagctct agacctgagg 240
atgcagtctc tcggggccaa aacatcgctt tatcagcaga atatgccttc atcgctccgt 300
aggggatca aagctaaggc actgatgaag gaggagaagc gacgacgtga agctaaggag 360
aatggaatca ttctcgagag gccgacgccc aaatcgaaag tcactaaggg gcggcgagaa 420
cgtggcatcg caggccctgg catcggaaag ctctcaggtg gaactttgaa tttgagcaag 480
cgagacattg ccgtggttca aagcgctcgc cgctcaagga gaggaggcag aggaaaatcg 540

aagacaaggg gacggcacta a 561

<210> 18007
<211> 471
<212> DNA
<213> A.fumigatus

<400> 18007
cttgtggggc catcatattt ggcttgctgg ttgctacaaa gcgcgaactt ttacgcggca 60
gaagtactcc ataagactct ggcaaggcaa tcaggagacc cctccaccca gacgaggttt 120
cagatcggcc gaggaaactc cagcccagct gctgagactt ctttttttagt cttgacttac 180
tgcattatga tgacaaacat gacattggta ctccgtattt tcgccccgag ttccaccgcc 240
acgaagtatc ttgactcgag gttcgagtcc aaggatgacc tagatagtgt acgaagtaaa 300
gttacatggt ctcttgcgac tttgcgagct accaggacgg gtatgactgg tattgccacc 360
gcaatgctcc aaaaccgaga aaagactgga tcctccccag ttctggctat gtctgtgccc 420
tcgttcgcca atcgccagca agtactaaat ctagaccact taattgagtg a 471

<210> 18008
<211> 885
<212> DNA
<213> A.fumigatus

<400> 18008
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gtcgcgtcct caagactcag tcttcccacc ctactgcgaa atgtctgtcg ttctgagttc 120
accgccgatc ttggacctcg ttctgagtac aaaagtttct tcgccatgca acgagcagcc 180
ttggcctatc gcaggattag aggtcctcga cagttcagct cgctgactct ggccgacgat 240
atacctacta catccaaaca accaccttcg cgcgctgcaa acgttagcag tgtatcacag 300
ccgggcgaac caaccaagac tggcgccggc gaaattagag cgtctagcca tccctctgag 360
gttgtcagtt cttctcctcg tgccgattct gcgaagcgta agaaagcgtc tgccccggaa 420
gcaacggccg gagcaaagcc agctgcaaac gagtcttcgg ataagaaacg ctcagaagcc 480
cctcgaaaat ccagtctttc cattctctcc aagtcgaaga aaaagaaaga gccatggcaa 540
atccaaaagg aggcactgaa aaagaaattc aaggagggct ggaatccgcc gaagaaacta 600
tcccccgacg cgctggaagg gattcgacac ctacacgctg ttgcacccga tcgcttcact 660
actcctgtac tagctgagca gtttcaagtt tctccggaag caatcagacg gatcttgaag 720
agcaaatggc ggccttcgcc agaagaaatg gagaagagac gagagcggtg ggaaagaaga 780
cacgatcgca tttggagcca gatgaccgag ctgggtctca ggcgtccaaa gcgtagcgca 840
gaaaagtttt cggacgtaaa ggtgttgtat gataagcctg tttga 885

<210> 18009
<211> 1401
<212> DNA
<213> A.fumigatus

<400> 18009
tcggctcgca cagctttcct cctcccactc cgcgaaataa ccaaaactcc gggcaccagc 60
acaagcgctc cgtgtctata ctgtcaattg aaagtgaagg aactggggat aaaacctcga 120
ggtcgtcgtt ccagttcaat cgttcccggc cggggaaggg tcatggtcgt tctgccagct 180
tgcaagtcgt acccagaagg tatgaggggt atgaagatag cttcgcaaaa ggtgaggctc 240
aaattacctt acctgatgat tgatgatact catatattcc gcttcttagc tgggcgaaac 300
accgtccgtg gcatttccga ggctggcacc aaccaattcc cgggtaatct gaggccagac 360
ctggaaggac ccagagtcag tcgctccgga tccaacgggc agagacccat tcagcattca 420
ggatcaccgc gtacacctgg acgcaggcct caactgccgc ctatggattt caaattcccg 480
cctgctccca catccgatcc tagcaatcgc cctgcccttt ctcctgcggc aacatccatt 540
gatgagaatc ccggctccgt gtcgacggga ctatcaagtg ggaaagaaag cccagcaata 600
cctccacttg gtcacctacc ccagcttaca cgaataatct cgacatccag cccgagtgga 660

agtcacagga gtagcggcga gttctactct gctagcgaca actcctcaga gacacttcaa 720
tccgaataca cgaattactc tgcaaatacc cgacgcccga gtggtcctcg tcacgcgcgt 780
catttctcga gtgtggatac gggaccgaaa cgacccaacg gccaaactct cctcatgggc 840
tatgcccaag tcagcgcatc ctttaccgtc gatggctcgt taatcaacca ggcagcgttt 900
gaagaagtta aacgtaaagg ggtcgttggc agtcaaggta atgcggctgg tacgctcggt 960
ggtggatccg cctccatcag cgacaaaagt cgtaaaagtg gtggattctg gggcgctttc 1020
aagtggaatg cgatagagga gtccataagc ggtcttctat ccaacaacga actcgatggt 1080
ctccgtgata tgcgtggcgt tacatcgtca cgatcgatac ctttattatc cactccgcag 1140
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ttcactcttc ccaaggggct tcctgcgagt cataagggca aagctatcaa gatatcttat 1260
aatctagtca taggtactca aaggccgagt gggtctaacg aacctcagcg cgtgaatcgc 1320
atcactatcc ccttccgtgt cttcagtgga gtcaacagta agttctctcg ctcgtcctcc 1380
ctccttgaca catgtgacta a 1401

<210> 18010
<211> 900
<212> DNA
<213> A.fumigatus

<400> 18010
tttctcctag gtcaaggaga gatccttggg cataacctga tgagccctta tgtcattctt 60
cgagacgaag ccagagtcca gaaagtaggc tctacctccc caccgccagt gtcaaagaat 120
aagagcatta gcgggcatgt atggacgtca gcgccagaat ttctttccta cgtagatgaa 180
ctcctcgagc aacaatctcg caaaaattta ctgcagccac cagaccttgt cagcgcaaga 240
cgctcctcaa gttatgaagc gttggccggt ccgctttcct gcaaagacgc aatagacttg 300
gccatcctgc gaagcaatca agccatcagt aaggcgcgca gtcctaaccg gtttgaaatt 360
gcccgcaatg ggcgtcggat cgctgtggtg gtgctgaatc ggccagcaca tcgactgggc 420
gaaaccatca ctgccacagt gaatttcacg gatgtggcac tcccatgcta cgccctgcgg 480
gccacactgg agtcgtttga gaaggtcgca tcctcactgg cagttcggtc aaatgctagc 540
atccaccgag ccacgcgacg tgtgcatgca tccttcttcg aaaatacgct ttactccact 600
cgagttgttt tcagccctgc ggtgcccgtc tccgcaacgc cgactatcat caccaccgga 660
gtcaaccatg aatgggagtt acgattcgag tttgttacta ccagtttgca ccatgagctg 720
gggacgggcc tttccggtgc taggctgctt gaagtggttt ccgaggacga ccgtgggcag 780
gttatgtcag gcctggagaa cctcggttgt gagtcctttg agatcgcaat ccccgtcacg 840
gtatacgggg aaactgttcg ggagaggctc ccggaagaga acgagggtta ttctatctag 900

<210> 18011
<211> 216
<212> DNA
<213> A.fumigatus

<400> 18011
aactgtgatg tcagacttgg gtatcaaata tgtgcggtct atcaaatact aatttcgact 60
tatttgagcg ttaatggaat tctgagagta tatcacgttg gtgaccgcta ccaatacgag 120
tatcataaga agactctgat ggaacgaatc ccattcattt caagcgcaat gggtatgatc 180
aacgctcatg aaagcagaac atatgcctct agatag 216

<210> 18012
<211> 333
<212> DNA
<213> A.fumigatus

<400> 18012
ggggtaagct ggagctttta cagtgaagcg aaccaacaga tgggtctcat atctaactct 60
ggtttgcact taggtctgcg ctcaatgtgg actgcctgca actgggccgt tggggtgttc 120
gctatcacct ccctcgcagc ccacgaattc tgccagaggc gacgagtcca ggagttggac 180

ggcatgaagc aagccgtgga attgatgaag gaactgaagc tcaagaaaca acgagagaag 240
gaaaagcaga tggcggaaga ggctgcccgc ttagccgaag aagagaagaa aaggaagagt 300
tggacaaacc tatcgaatta taagttctgg tag 333

<210> 18013
<211> 189
<212> DNA
<213> A.fumigatus

<400> 18013
gcaaacaagg tgggcctggt ggcatggatg agtaatgcag ttattacgtg taaagggcta 60
caagagacat gtcatgcttg caagatcgaa gcaattatgc ctaaaatgta ctcaaataaa 120
ttcaataatt atcacctgaa acgcttgacc tcgtattact cgaacttcat ctgcttgaag 180
ggaccttag 189

<210> 18014
<211> 204
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (43)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18014
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<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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<210> 18017
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<212> DNA
<213> A.fumigatus

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<210> 18018
<211> 681
<212> DNA
<213> A.fumigatus

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<210> 18019
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<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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<210> 18021
<211> 1395
<212> DNA
<213> A.fumigatus

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<211> 1329
<212> DNA
<213> A.fumigatus

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<210> 18023
<211> 204
<212> DNA
<213> A.fumigatus

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acctatgact acaattttga gtga 204

<210> 18024
<211> 237
<212> DNA
<213> A.fumigatus

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caaacctgca aactacccga tgacaagtac atgaagtttt ttcgcctgac tgattacgcc 180
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<210> 18025
<211> 1776
<212> DNA
<213> A.fumigatus

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<211> 183
<212> DNA
<213> A.fumigatus

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taa 183

<210> 18027
<211> 327
<212> DNA
<213> A.fumigatus

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<210> 18028
<211> 285
<212> DNA
<213> A.fumigatus

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<210> 18030
<211> 372
<212> DNA
<213> A.fumigatus

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<210> 18031
<211> 285
<212> DNA
<213> A.fumigatus

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<210> 18032
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<212> DNA
<213> A.fumigatus

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<221> unsure
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<223> Identity of nucleotide sequences at the above locations are unknown.

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<210> 18033
<211> 474
<212> DNA
<213> A.fumigatus

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<210> 18034
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<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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tccgacgagc ccctggagcc ttacggtgaa ctggttccct tcgcggaccc ttcatggtac 360
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tga 423

<210> 18036
<211> 783
<212> DNA
<213> A.fumigatus

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tga 783

<210> 18037
<211> 573
<212> DNA
<213> A.fumigatus

<400> 18037
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<210> 18038
<211> 759
<212> DNA
<213> A.fumigatus

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cgtcgggacg cggtggctac tgatcgcaat ggtgctgaaa tccgaattgg cgatactgtg 180

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<210> 18039
<211> 606
<212> DNA
<213> A.fumigatus

<400> 18039
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accgcatatg gaggcgctgg ctcacgcaca ccagcctgga acgctggcgc acgaacacct 180
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ccttag 606

<210> 18040
<211> 1932
<212> DNA
<213> A.fumigatus

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ctccacggac tgcccgtctc cgtcaaagac tgtttccgaa tcaagggcgt tgactcatgc 180
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<210> 18041
<211> 1365
<212> DNA
<213> A.fumigatus

<400> 18041
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caaatgctca atgagagtat tgatccgtca cacacgtttt gtattggccc gtcttgtgat 360
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<210> 18042
<211> 210
<212> DNA
<213> A.fumigatus

<400> 18042
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accatcaccc accaaaagcc cagttgtcca tattctgtca aggtaaccga aaagcaaaca 120
aacaaaggaa aggcctctaa ctaccaagcc aggcagacca ataggtcgcg aagaactctt 180
tgcatataca aatggccatt tccttattga 210

<210> 18043
<211> 552

<212> DNA
<213> A.fumigatus

<400> 18043
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gtcgcacaga ttcgccgata tgcagctatg attaatgagt ctcgaagcag catgccttct 180
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gatctcacgt aa 552

<210> 18044
<211> 1158
<212> DNA
<213> A.fumigatus

<400> 18044
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<210> 18045
<211> 717
<212> DNA
<213> A.fumigatus

<400> 18045
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cagttcctcg agtcgttcgc taacaagcat gtatcgtcct cggaagaccg gttggaggag 420
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<210> 18046
<211> 228
<212> DNA
<213> A.fumigatus

<400> 18046
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gatagcctat gtctgggacg acaggctgac atcgacgatt atggaggatg ttcgtccggc 180
ccggatctgc tgggcccgca agctgaggtg gtttcgatgt ctgcctga 228

<210> 18047
<211> 246
<212> DNA
<213> A.fumigatus

<400> 18047
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tttacgactc tcttctatgc ctttcttgag gcgtgcaatc cttttgattt cggacaaaaa 180
cctgtcgaga agagcctgag tggtgacatt gacgtctctg tttgggtcgc cgaggaactc 240
gattaa 246

<210> 18048
<211> 420
<212> DNA
<213> A.fumigatus

<400> 18048
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<210> 18049
<211> 186
<212> DNA
<213> A.fumigatus

<400> 18049
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caagatgccc gagtccggta ctacgcatgc gagagcatgt acaacattgc gaaagtcgcg 120
aaaggggagg tccttctttt tttcaatgaa atatttgacg cgctgagcaa agtaagccgt 180
tcctag 186

<210> 18050
<211> 732
<212> DNA

<213> A.fumigatus

<400> 18050
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<210> 18051
<211> 1152
<212> DNA
<213> A.fumigatus

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tctagtggtt cagaccaagt gcggcaggcc gcaaaccggg tcaacacatc attgcttgag 480
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ggtgctgact ga 1152

<210> 18052
<211> 444
<212> DNA
<213> A.fumigatus

<400> 18052
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aagtccgtcc aggagaaagc ccgtcgcacg caccgtgcct cacaacggca gttcgaccag 180
gacggcagca ccacaggact aagaaacccc tccctcacgg ccgccctgtc cgccgcagca 240
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ataggtggct ctggtgggcg caatagtccc ggagactctg gcacacctaa tcgcggctcg 360

ctcctgagtg gtacacagag gaataagtcg gggcttccta atctcggccg tttaggtatc 420
gggagcagga ggtccaagcg ttaa 444

<210> 18053
<211> 567
<212> DNA
<213> A.fumigatus

<400> 18053
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ccgggccgtg tcatcttcgg cagcgggact attcaaaagc tccctgatga aattgcgcga 120
ctcaacctaa agggcccgct ggtcctgtca acaccgcagc aggtcaagca agcggagact 180
gtcaagtcgg ttctcaaggg ccaagtagct ggcatcttct ctgaagctac gatgcatacc 240
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gagacggcag acggactgaa gaagactcgc tcggacccca agattctccc cgggacggtc 480
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<210> 18054
<211> 597
<212> DNA
<213> A.fumigatus

<400> 18054
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gcatctgccc ttccagagat catcgagaac ccctcctcaa aaactgctcg ctcgctggct 180
ctgtacggcg cttggctctg tggtacttgc ctgggtagtg tgggcatgtc tatccatcat 240
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gcagaggcgc ttccggacag caacggcgat gctatccaag gccttaacgt cttgctcgac 420
aagctcaagg tcaagcgggg cctcaaggag tttggcatga aggaggagga tattgacaag 480
gctgcagaca ttgctgtaag caatccgtac tggaaccctc gaggcattga gcgtattcct 540
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<210> 18055
<211> 1704
<212> DNA
<213> A.fumigatus

<400> 18055
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ctctccatca cctacgacat cgagcgcaca ttgcaggaaa tccgccaggc acggtacaag 180
cgcattgccc tgcagttccc ggatgatatg cttccggatg cacctcgtgt tttccagctt 240
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ggaacgggcg gtgtggaatc ggagaagcta gctcaggatg tctctcaact gagtgttgat 360
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ggcgattcga tagaaaaaca ctag 1704

<210> 18056
<211> 261
<212> DNA
<213> A.fumigatus

<400> 18056
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cagctgccct acaaatggac acagacgatc cgcgacgtgg acgtgacgat ccccgtacct 180
tgcgaccatc aaggttcggg atctggactt tgtgttggcc aaagaccaag atcaaggtcc 240
cattcaaggg gccaggaggc g 261

<210> 18057
<211> 1848
<212> DNA
<213> A.fumigatus

<400> 18057
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atggaggagg atacaggttc ggtcttctca gagtccgcat cggagcagtc tatccccccg 180
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atatctactg ttttgcattc gcgacgagaa accctggagc acctttctgt tcggggctgc 600
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<210> 18058
<211> 1560
<212> DNA
<213> A.fumigatus

<400> 18058
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cctgcacagg tgtgcgacag atgtcacgac ttaatccacc acaataaagc tgtttccgta 180
cccacgccta ccatttactc aattcaggag tatttgaaag agtcgcctca ccgagataac 240
cgtatttacc acgtcattga cgcagcagac tttcccatgt cccttgtcga caatatttac 300
gatgcgttgt ctattcagga accacgctcg aaaaatcgaa gagcctcgac cgagaagtat 360
cggtgggga ggaagttacc aaccatatcg ttcgtgataa cgcgctccga tctattagcc 420
gcgaccaagg aacaagttga ctcgaagatg gagtatgtgc gatcggttct ccgagacgct 480
ttgaaattgt cctcggaaca ttttcggttg ggcaatgtac atatgattag tgctcatcga 540
ggttggtgga ctaaacaagt gaaggaggat atcagagagc atggaggagg tatttgggta 600
gttggcaagg ccaatgtcgg aaagagcagc ttcatcgaag cctgttttcc caaggattct 660
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aagtgggatg ttactcgttc acacctgccg acctccatcg ccaaggcagt agaagaccat 1260
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cggcctccga tcgaatgttg gaacttcatc gccgcgaagc gcgctgctga taagcgcaag 1500
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<210> 18059
<211> 987
<212> DNA
<213> A.fumigatus

<400> 18059
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gcagcacaaa cagtgaacgt actcctttca tccttcccag gactttccct accttcgaca 120
gtctcattct ccctcccatc aacatcgaca atctccgatc ttaccgacag agtctccgca 180
tacttaccgt cgtcgatacc gcttcagtcc cttgtcttga ccacaacgag taacaaacaa 240
cttgttccat catgtgaacg tttatttttct ctatttggcg cctccaaagg cgaagttgca 300
acaacatcga atctcctccc cctccggttg actgttcccc tgcgtggagg caaaggtggt 360

tttggttccc agcttcgtgc ggctggtgga cgtatgtcga gcaagcggaa gcgcaatcag 420
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gcaaaggctc tggccgaata ccttgcagtc aaaccggaga tggatcggaa agaaaaggaa 540
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aagaacggtg gcggcaaaca taaaattgat gggcagtgga tggaagacaa ggaggaaatg 660
aacgaaaagg ccagggaagc tgtcttggca gcaatgaggg atggagtgtg gacggataac 720
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caggagacac agaacagctc agaggaagag agtgatgaag aacaagaccc ggcggatgta 840
cccacaccgt cagagccggc tgtcaagtca gcgccgaccc gaaaattcat tggatttgat 900
gatgacgacg agttcatgag tgattctgaa gacgaagaag tcgagcaaat tgacaatcca 960
aagggcaagg gaaaagcaaa ggcttga 987

<210> 18060
<211> 321
<212> DNA
<213> A.fumigatus

<400> 18060
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cttctccagg ttcctagaat ccttgggaaa acaggcttcg atgaagctgc tctttccgac 120
attggccttg ccaactaccc aaatacctcc tccatgctct ctgatatcct ccttcacttg 180
tttagtccac caacctcgat gagcactaat catatgtaca ttgcccaacc gaaaatgttc 240
cgaggacaat ttcaaagcgt ctcggagaac cgatcgcaca tactccatct tcgagtcaac 300
ttgttccttg gtcgcggcta a 321

<210> 18061
<211> 606
<212> DNA
<213> A.fumigatus

<400> 18061
cctgagacaa tccattatgc tcgcttcccg gaggtccccg agccctccgt tgagctttcg 60
gctgccctga cttatgttcg ttccacctct tctagcatca cgtcggctga ggctggattc 120
gttaagaagc tttctaaggg caagacgatg tttttcgacc ctcgcaagcc caagaagctt 180
accatctacg ccgcgaagaa gtaccctgcc tggcaagaga aatacatcga ccttgtccgg 240
gaagcattcg atgctgtcag cctctctatt aacgacaagg agctgaacgc caaggttggc 300
aagctcggtg agatgaagaa ggctatgcct ttcgttcaga ccctgaagac ccgcctgatc 360
aagtccaagg aggctcccga gaacgttttc tcgcggaagc ttcccttcga tgagttagct 420
gttctgaagg agatgcttgg tatcctgaag cggacgactg gttgcaagga aatcgaggtc 480
attgctgttg atgaaggtgg caagaccggt gaggtgctgg gcactggtga gaagagagaa 540
ggtctgtcgg ctgaaaatgc ggttcctggt cagcccacct ttggctttac caatatcgct 600
gagtag 606

<210> 18062
<211> 285
<212> DNA
<213> A.fumigatus

<400> 18062
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cttcccgccg aggttgttcc cgctacccac atcaagcagc agcgttctca cgctcccccc 120
cgcggcatga tgggtggtga ggagcgcgag cgtcgccccc gtgctccccg tgagggtggc 180
taccgtcgtc gtgagcagga gcccaaggag ggtggtgccc ccggcgagtt cgcccccagc 240
ttccgcggtg gcttcggccg tggccgtggt gcccccgctt cttaa 285

<210> 18063

<211> 249
<212> DNA
<213> A.fumigatus

<400> 18063
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gacgccaact tcgatgagaa tgtctcaaac agcagtattc tcattctctt cacgctcaac 120
gagtggattg aggagactgt caaggacagc tccctgcgca cagattcgga atactctttc 180
tgggacaagc tgttcgataa tgagatgaat agcctagttc gtgaggccat caagcactac 240
aaaaagtga 249

<210> 18064
<211> 216
<212> DNA
<213> A.fumigatus

<400> 18064
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gctcgtgacg tctaccgtga ggccgcagtt tcggctggtg tcggaatgca ccgtgacgtg 120
gtcctgcgct atgttgaact ccaggctctg atgatctctc ccattgcgcc tcattgggct 180
gaatacatct ggctcgaggt tctgaacaag gtttga 216

<210> 18065
<211> 756
<212> DNA
<213> A.fumigatus

<400> 18065
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tacgccagag acaggtatct cgctccagga ggactaatgg taccctcaga cgccacccta 180
cgtattgcgc cgtttgccga ttccgagttc atctcgtcac acatctcatt ctgggacgat 240
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accatcaccg tggaggagct ctcattcctg aaggggttcc aagttactct gaaggaagat 420
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tctactgtcc cgaagaacgc cgttccttca gaaatgaaga agaaaggttt cgtcgccttt 540
actacaggcc ctcacggacc ggagacgcac tggcaacagg gcgttctcct gattgatcgc 600
gagagaaaga agggagtcgc cgtaaagaaa ggtcaggcca tcgctggcaa ggtcggttat 660
cagaagagag aagaagggtc acgatcgctg gacatcacag tcgagtggga tactcaagcg 720
ggcgagcagg gggcccaaaa atgggtgctc caatga 756

<210> 18066
<211> 276
<212> DNA
<213> A.fumigatus

<400> 18066
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gtaagggacc aagatgccct ctcgaccacc tcctcagacg attcggatat cagcaacgaa 120
gagggatggg aagatgttga gcctgacgac gagacacagc cggtaattgg cctattttcc 180
gataaggtct accctgatgt acagtcaatg ctccaggagt ctaaagacaa gcatggcttt 240
gacttgcgga agattcgaaa ggaccttggt gtgtga 276

<210> 18067
<211> 990

<212> DNA
<213> A.fumigatus

<400> 18067
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<210> 18068
<211> 603
<212> DNA
<213> A.fumigatus

<400> 18068
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gagctgagac gaacctcatt atcatcacca tcatcgtcat caccagcacc atctccttct 180
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gctgccaagg tcagcctcac aggttcactc tacttgttta tgccacaaat tgtacgaata 540
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tga 603

<210> 18069
<211> 516
<212> DNA
<213> A.fumigatus

<400> 18069
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gccagaaaag atgcgcaaac catattctct cagatccttc gttttcgacc cgcccaaacc 180
aacagtggcg acccccccggt catttcttat attgtacaca accgtcccga gatcattgtc 240
gagctctgcc ggggatacga atcgcccgag agcacaatgc cctgtggcgc cattctgaga 300
gaagcactca aatttgacgt gtgtgcggcc atcatcctat acgaccagtc tatcgaaggt 360
cagcccgcga tcagattgac acaagtcaac ccggatattc cccagaaagg caatggcatc 420
ttttggagat ttttccattg gatcgacaag agcagcttcg aagtgagcgc cgactctttt 480
acaacattta gggtaagtca cgactggtat ggttga 516

<210> 18070
<211> 240
<212> DNA
<213> A.fumigatus

<400> 18070
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gaccgtctgt taaaattctt gcctagattc ttgatggacc gcacagatga cgaccaattc 120
acggacgaga agagtttctt agtccgtcaa atcgagctgc tacctcagga gcccattgaa 180
ccaacacgat cagcgcagga gtcatccaga tcgcgagtca acaccgccgc ggcggcctaa 240

<210> 18071
<211> 639
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (16),(17)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18071
gcgtctcgat ggtccnncgc ccgcctcgta gaaaacgagg accagtaccg gatgcgcttc 60
tcgaatgcgg cggggtatcg ccagtctgct ggccaaatgc cttggtactc ttcctccagt 120
cgtgatgctt tggcgcctga tgctatgcct gaaaaggatg tttggggtaa tgaggatccg 180
atgagacagg agagggagaa agcccggcta gatgccaacg atccacttat ggcgataaag 240
aggggagttc gccagttgaa gtcggtcgaa cttgaacgta aaaagtggaa tcaggagaga 300
aagagagaat tagattcact gaaagaggca gaaagacatc ggtcgcgtca tcgcagaagg 360
agatcaaggt caagatcaaa agcgtcggac tctggggaca gtcttgagaa cttcagcctt 420
gacgcacctg acaaacatca ggataggaaa cacaggagct cacaccgaca tcgctcgcat 480
cgccgtgaaa gaagtcgcag ccgttctcgc gatcattttt gcgaacaatc ccggaagcga 540
caccgtcact cccattccca ctcccattcg caccgtcatc gtgatcacca tgatcgaggg 600
ggcgtttgcg aggtgcagtc gcccagacgc catgtgtaa 639

<210> 18072
<211> 297
<212> DNA
<213> A.fumigatus

<400> 18072
gacattctca ctcgtcacaa gagtcttgtg acctcatacc tcaccaccaa ctttgatctc 60
ttcttttcgc gcttcaatac actcatccag tcgagctcct atgttaccaa gcgccagagt 120
ataaagcttc ttggtgagat cttgttggac cgagccaatt acaacgtgat gatggcatac 180
gttgaaagcg gggagaatct gaaactctgc atgcaattgc tcaaagatga tcgcaaaatg 240
attcagtacg aggggttcca cgttttcaag gtattatttt ctatttcttc ggcgtga 297

<210> 18073
<211> 213
<212> DNA
<213> A.fumigatus

<400> 18073
gttccctatg ccccgcccaa tgtacgagct aacgtatggt tttctgcgtt ttctagagtc 60
aacttcaata cctctcctcc ttacaatgtc cctgctggtt catccgtgga cctgagtgct 120
gttgttgctc attacgagca gcagaacaag cagatggaag aggcccgcgt cgctcggatg 180
aaggacggca aagttgtgtc tctatatgac tag 213

<210> 18074
<211> 501
<212> DNA
<213> A.fumigatus

<400> 18074
attggtattg ccaattgtat ttccgcaaaa catgtctttc gccagacagt cagtcgcttc 60
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cgagcctgtg aacgagagct tcggcgtatg ttcgacctcc cacgacagaa ttcatcctcg 180
tcactgacta caactctttc atctctacag cgcagcttct atgttaccat cggtgcattt 240
gcctccgctt acgttcttta ccgcctgagc aagtccgctg aggaatcggg ctcacagtcg 300
tggatctcca acctcatcca aaagtggact ccttcggaga agctgtttga ggagaggaac 360
gctattcaca cagcacttat ggagaaggcc gctcaggatc gccacctgct tcagtctcag 420
ggccctcgag ccactttcga attaaagcag cccgagtatg ttcatatgag ttccctatgc 480
cccgcccaat gtacgagcta a 501

<210> 18075
<211> 528
<212> DNA
<213> A.fumigatus

<400> 18075
ggcgatcgta cgaacgaaaa gatgctaatg tttcgtagtg ataactttga gcaagctgtt 60
gcggccctcg aacacgcaaa atatgcactg gccttctcat ccggatcggc aactacagct 120
actatcctcc agtccctagc tgcaggctct cacgtcgtct cggtatccga tgtctatgga 180
ggaacccaca gatactttac aaaggttgcc tcggcccacg gtgttcatgt aacattctcg 240
ccttgcattg aagttgatgt ggaggcattg atccgccccg gcgagaccaa actggtctgg 300
attgagactc catccaaccc cacacttggc ttggtcgaca ttcgcaacgt agctgctgtt 360
gcgcaccggc atggcatcat cgttgtggtt gacaacacct ttatgagccc ctatgtccag 420
aatcccttag atcacggagc cgatatcgtc gtgcactcgg tcacaaagta tatcaacggt 480
cattcagtaa gttgtgacgc atcgtttacg ggcaagacgg tttactaa 528

<210> 18076
<211> 291
<212> DNA
<213> A.fumigatus

<400> 18076
atctacaagc gcgcaatgac atcagcgttc agctttggtt tctctgggga tgacattgac 60
attgacattg acgaggacga tctaagtgga attgatgaga gagatatgaa tgctgtggag 120
gatgccagca agcagctcac tggaagatta atggaacccc aaagacatga tatgggagaa 180
tgggtaagtt ataagtcact cttgggaagt tgggtagcta ccgacgggtc gcgctcgaag 240
acaacggatg agatgaatag ggagagagga atagcagacg acgaaggata a 291

<210> 18077
<211> 582
<212> DNA
<213> A.fumigatus

<400> 18077
gacgttctca tgggcgtcgc agccttcaac tctgacgctc tgaaggatcg tctaacattt 60
ctgcagaatg ccattggggc cgttccatct cctttcgatt gctggctcgc tcaccgtggc 120
ctcaagaccc ttcatctgcg cgcccgtgaa gcgacggcta acgctacagt cgtcgccaag 180
gctctcgagg cgtcgcctca cgttatctct gtcaactacc cggggcttga ctcacacccc 240
catcgcgcca ttgctattaa gcagcaccgc cagggaatgg gtggtggtat gctgagcttc 300

cgtattaagg gaggccagaa ggccgctcac cttttctgtc aatacaccaa ggtctttact 360
cttgctgaga gcttgggtgg cgtggagagt ctctgcgaag tgccttcaag catgacacac 420
gccggaattc ctaaggatca gcgcgaggct gctggtgtct ttgatgactt cgtccgcatg 480
agttgcggtg ttgaggatgc cgaggatctc aaggccgata cgctccaggc tcttgagaaa 540
gctgttctcg ctagccagca gttggagaac ggatcttctt aa 582

<210> 18078
<211> 651
<212> DNA
<213> A.fumigatus

<400> 18078
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gactcagcga cgaacaaaat ccatttcaca tttgcagatt acaattctgc cgtcctccgc 120
ctagtcacgc ttccaaatct gcttttgact tggaactaca tagtcatgca tcgggatccg 180
ccttcggctg aggacacttc gcccagagac cagcctgatg aagaagaatt agacatcacg 240
cctgagctcc tggagagctt tcagaaagat ctcgcaaaca agaagatcac cttcgagttc 300
atctctggtg cctggtcctc cgcctttgtt gacctggtgt tctccagtta cggactgggc 360
aaagggaaaa cattgatttt agcgagtgag acgatatact ctccagcatc tctggagccc 420
ttctccgaga cgttgattgc cttgcttcgc cggtctgaaa ccgaacaaga gcggagcaaa 480
gccctcatag cggcgaagaa ggtctatttt ggcgtgggag gtggagtaga cgagttcctg 540
atggtgttga aaaatgtcaa tggttatgac ctcgatgtgc aggaacaggt gaacatcaac 600
tcggaaggtg tcggtcgagt gatattgaag attacgctca ggagtacata a 651

<210> 18079
<211> 501
<212> DNA
<213> A.fumigatus

<400> 18079
tccggacctg tgccatcttc ttactcctac tttcctctct cattgctcac ctctcccgct 60
ctctttccta cccatccagg tgtctacttc tggtcttacg gactgctcga tccactgcac 120
tattcctttt ttcatcatct tcgtcctctc catgttcgtt tcgcattagg tctttcttac 180
gtcctccggg ctggtcacga tcgcctttcc tccctcttct tctatcctct ttcgtttcta 240
cttctttcct cttcacgcaa ctgccttgac ctttctgcct ttgccttgcg tcctcgaatt 300
cgttgtctct ttcgtcggcg ctgttctatc cactcataca tctccatcac catggagggt 360
ttcgatacta tggccatgcc gtatctggcc agtccgttgt cactgggcaa tatgcagggc 420
gccgactacc ttaatgccat gcctggtatt gatctacccg accaacgctc gaatttcgac 480
tccgacacgt tcgttaggta a 501

<210> 18080
<211> 183
<212> DNA
<213> A.fumigatus

<400> 18080
ggccttttc gacctactct ctattgctct cttgcgcttc cggatcgttc ttctcgttgt 60
cttttgtgga ctttccgttt taagtcttcg atcgcctcca ctacccaagg cactaactac 120
accactacta ctattaccac tgactgcatc tatctactac atatctacaa ctatttgcag 180
taa 183

<210> 18081
<211> 924
<212> DNA
<213> A.fumigatus

<400> 18081
gtctttctta cgtcctccgg gctggtcacg atcgcctttc ctccctcttc ttctatcctc 60
tttcgtttct acttctttcc tcttcacgca actgccttga cctttctgcc tttgccttgc 120
gtcctcgaat tcgttgtctc tttcgtcggc gctgttctat ccactcatac atctccatca 180
ccatggaggg tttcgatact atggccatgc cgtatctggc cagtccgttg tcactgggca 240
atatgcaggg cgccgactac cttaatgcca tgcctggtat tgatctaccc gaccaacgct 300
cgaatttcga ctccgacacg ttcgttaggt aagtccatcc tcgctttgcg ctcacaaatg 360
atcattctga ccaaagcgca ctggaacagc ggcgaggata tccctccctt cactcagcac 420
agtttgccga acacgttgaa acgtttctct tcggggtacg acgatccctt cacggaaatg 480
gtgaccccat tcgaccccgc accctccgaa caacctccag actcgtctat tgaccacaat 540
aacaagttgc tgagtttctc aatgcccgcc tataatttca ctctccttga ttattcgttg 600
cggcggacgt cgttatcgct atcggcccag ttacatggca tgttctctct cgccgaatcg 660
ccttggacca catccccgac ggaaaacgca ccgccccaac aaggggcgga gttgacatgc 720
taccggcgca acctgttcca gatcacaggc tccgtgaccc tgcctcggag tctacggtac 780
atcatgaacg agcagggcga ccgtttacct atccttgcgc aagaactctg cgtttccgcc 840
actgaatctg tggaagggca ttcggtcaag atcatttcag tggcctggaa aaagcccgct 900
gcgaaagggg attctaccga ctga 924

<210> 18082
<211> 1062
<212> DNA
<213> A.fumigatus

<400> 18082
ccacgataca ggagtattaa gcgcattatc ttcgagaccc tagttaaaag ggtcccgggg 60
ggattagtga ggctgtcagt tcccgagatc aagcaaattg gaggtcgggc tggccgttat 120
cgcccggctg cgcagcaaga caagaaaaat aacaacgact ctgactcaaa tattggcttg 180
gtgacatgcc tggaggaagt cgatttgcca tatattcgcg aggcaatgga gactgaacca 240
ccaccgctta cggctgccgg cattttccct cctgatcctg tgttccaaaa gttctccgcc 300
tatttcccgc gggatgttcc ttttgagtac cttatcaagc gtctgctgga agtctgtgaa 360
gtcaatcctc tgtttttcct gtgtgaccct cgcggtcaac ttgagaatgc ggaaatcata 420
gacagtgtgg ttggcctacc tatagaagat caagtgactt ttatggctgc gcccatgtac 480
acccgggata gaaaatcacg cagcgttgct tgcgcgtttg ccgaatgtgt tgcagagcat 540
tcaggtggca gactgcttga tatccctgac ctgaatctgg aaatcctcga ggaaccggtg 600
tctggaaaca aggactatct gcatgagcta gaaggcctac acagatcggt catcctatat 660
tcttggttaa gctaccgatt tgggggtata ttcacggatc gcactctcgc agctcatgtc 720
aaggagatgg tggaagagag gatggtcagg gcgcttactg aattctctgc caacaagaag 780
ctaaggaaag atgcatcact gcgccgacag atcgctttgc agaagcagat tgcggagcag 840
aaacgggttc ttgctgaagc aaacattgaa ggattcgaat atggagtgga cggagaacgt 900
gtcccagttg atgtctctgc ggaggatggt tctctggagc aagagggtca agagagttat 960
gatccatttg gagacggcca ggaaggggac acaattcctg ttgatgtatc tgctgaggat 1020
agtcctctgg agagagcagc ccctgctgcg cgtggggttt ga 1062

<210> 18083
<211> 1188
<212> DNA
<213> A.fumigatus

<400> 18083
cagatcctaa catacacctt cactcgtact ctttcattgt tgacaaggtt gctgattcgt 60
ttgtttgcca tacagtcttg gaaaaagaag gcactggccc gtagacctct gagtcaaccc 120
tttatcattc gcgacttcgc ctccatcgtc gagtccgagc tagcagattt caaacagagc 180
ttaaaagagt catccgatcc ggtcttggca ggatgggaaa gattcgagcg ttatgttctg 240
aatgcctgca agctggaaga ccggtcgagc cagaaagttt ttggcccttt acgccatgtc 300
aaaaccacac ttcagaaagc ctatctcagc tccggtatat cgggtctgag gagtgagctg 360
aggtatctta tgcacgccga agagattact gaaaagtatt ctgctcccct tctggaacaa 420

caaaagaagg ttgcggactt gcgctatccg gcagaatggt accctcaagc tcgagcgctg 480
caacggacaa tccacttgca tgttggaccg acgaattctg ggaagactta tcatgcgtta 540
caacggcttc aagcttccaa aaatggcttc tacgccgggc cgcttagact ccttgcccaa 600
gaggtgtatc atcgatttca agcgagcggg atcccctgta gccttgtgac cggggatgat 660
gttaaaatac cggaagggca aactccgtcc attgtcagca acacagttga aatggtcaat 720
ctaggacagc cgtatgacgt tggagtcatc gacgagattc agatgctcgc ggaccctaaa 780
cgtggctggg cgtggactcg tgctgtcctt ggtgcgcggg ccaaggaact tcacctttgt 840
ggcgaaacaa gagccgtgcc cttggttcga gagcttgcgg ctctcacagg tgatagactc 900
gagatccatc ggtacaaacg attgaatcca ctcaaagtca tggatcagag tattagaggc 960
gatttgaaga atcttcagaa aggagattgc ctagttgctt tctcccgcgt cgggatccac 1020
gcactgaaag cagatattga gaaagttaca ggcagacgag cagcgattgt gtatgggagc 1080
ttgccagcag agattcgtac gcagcaggcc aaactcttca atgaccccga caacgattat 1140
gatttcctgg ttgcgagtga tgctattggt atggggctaa acttgtaa 1188

<210> 18084
<211> 567
<212> DNA
<213> A.fumigatus

<400> 18084
attgtcgccg aggacattaa gaaggcagct ttgttgcccg agggtgtttg gcgctctctc 60
gcacgtgaga cgctatcaat attatatctt gtttattcga tacttctttt cacgagttca 120
ggttttcgct tttggtggtt tcgctctcca ttgcaggtta tggacgacct cgagtccctg 180
gagctctttt cgctcgtttc gcgaatcacg ggtgagctcc agaatcactt aggcgtcagt 240
gacaagacac tcgctgagtt tgtgatcgat cagcatctat catgtggttc gttcgacgag 300
ttcaagggga agttggaggc gatgggtgcg gagttcccgc agagcttgat ggagagtatc 360
gatcgcctgg ttcttacgat gcacccaaaa tacaagtcga agaaagcaaa cgtgacccag 420
gagaagacgg aagcggaggg ggatatggat gtccttgatg ctctggagaa gaaggcccgg 480
gtcttcaagg gacttgctgt tcctgataag caaccacaat gggatgaaga cgacaacttt 540
cgaaacccgg atgttcatga ccgttga 567

<210> 18085
<211> 270
<212> DNA
<213> A.fumigatus

<400> 18085
gcaatctcct ttctgaagat tcttcaaatc gcctctaata ctctgatcca tgactttgag 60
tggattcaat cgtttgtacc gatggatctc gagtctatca cctgtgagag ccgcaagctc 120
tcgaaccaag ggcacggctc ttgtttcgcc acaaaggtga agttccttgg cccgcgcacc 180
aaggacagca cgagtccacg cccagccacg tttagggtcc gcgagcatct gaatctcgtc 240
gatgactcca acgtcatacg gctgtcctag 270

<210> 18086
<211> 222
<212> DNA
<213> A.fumigatus

<400> 18086
cttgagttcg catcggctaa tagtcctttt cctcaagatg tcgagcagat cgagcatagg 60
cgaccgccca atcccgatat ggatgcgctg tatatcctgt cacctcaaac acatatcgtc 120
gactgcctaa tggccgattt tgaacggaaa agatacaggc gagcatggtt ggtctggaca 180
tcaggtcagt catttgttct gatcggagac tcgacagtgt aa 222

<210> 18087
<211> 504

<212> DNA
<213> A.fumigatus

<400> 18087
attcttgtga gaactacact gactgttgtc gaggttgtat cactgtgtgt gagtttagga 60
gaatacccga taatccgata ctaccggccc agaaccccta cccacgaagc cagcgtcttg 120
tgttcccacc tcgctcgatt cattcagaac gaattggacc agttcgctca atctcagaga 180
gactttcctc ctccttcgcc gagacctcgc ggtgttcttt tgctggcaga ccgctctatg 240
gatatggttg cccctctcat ccacgaattt acctaccaat caatggtgca tgatttgcta 300
cccatcaaag acggggataa ggtcacctac accactgtta tcaacactgg cagtggcggc 360
ggacagaaaa aggacatgga gatcaatgaa gaggacaatg tttgggttga atatcggcat 420
cagcacatga aagatgtgct ggagaagctg ggtcgagact ttgcgaaatt tagggaagcc 480
catcctcagt tcgcggaaga gtaa 504

<210> 18088
<211> 720
<212> DNA
<213> A.fumigatus

<400> 18088
tatgagaatc gttccggcgc ctcccatctg ctgataaggc taacggtcat gttagtggct 60
tatcggaatt acattcaaga tactgctatt gcgcatggcg ctgactttag gaaagacctc 120
acgaagagtg tgacccatct gatcgcgcgc aatacagagg gccaaaagta caaattcgca 180
acacagtgga acattaaggt tgtaacgatg aaatggttca cggacagcat cgaacgtggc 240
atggttcttg aggaaactct ataccaccct cttctgccac aagaacaaca gggcgtgggc 300
gcgtggaatc gcacagcacc gccagccaag gagaaagctg cagacgccga gaattcatcc 360
aatccccggc ctaggaagct gcgcaggatc gcaagcacga agctcgttga ccagaacgaa 420
gggatttgga atgctatcgt gggtgcggga ttcgaaaaca acgagctgag actgtcaacg 480
aacagccaac tgaagaatga agatgtcaca tcctcgaaaa tcacgaggaa ggcatccgtt 540
gtacaggaag ctaagtcatt cgctagcgag acgacgtttg cggaggccca gggatctcgt 600
caagacactt ctgaagtgag acaagctagc aacaatggtt tcctggatgg ctgttatttc 660
ttcatatatg gattttctcc caagcaggtt tgtaccgcta gcttctctcc ttgcttctga 720

<210> 18089
<211> 207
<212> DNA
<213> A.fumigatus

<400> 18089
gagcagacgc cgcaagttgt taggcccaag gattttgacg gcactgagca tgctgtctac 60
ccagctgcct ccgaaggctc gaccaccgag aactgtcacg gcagtcatgg caattccagt 120
gccagccatc ttctcctgtc gttcccacaa accggtaata tcaaagaagt cccagatctc 180
cacctcagtg tcgacctgtc tagctag 207

<210> 18090
<211> 312
<212> DNA
<213> A.fumigatus

<400> 18090
actgagctgg ctacaattgc cagtcagatg ggagcagctc acaagttcga cctcacatct 60
gacgtcacac atttgcttgt cggcgagatc aatacagcga agtataagtt cgtcgcacgg 120
gagcgaagtg atgttgttgt tctcaaaccg gaatgggttg aggcagtacg gcagtcatgg 180
atgcagggtg aagataccga tattcgggcg ttagagcagc aatatagact accaaccttc 240
atgggattgg ctatctgtat aacaggcttt gaggatagta tgagaatcgt tccggcgcct 300
cccatctgct ga 312

<210> 18091
<211> 1176
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (715),(716)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18091
ggattccatg ggatgaaaat ttgctctacc gggttttctc gcattgacct gctgcattta 60
tcaaagctag ttgacttaat tggtgagcca ttagattcgt cagctttaac cgatactgac 120
tatgtaggcg ccacatatga cgagtacctg acgccgaaag cgtctgttct ggtatgtaat 180
aactcgggct caataaataa cgaaaagctg cgacacactt ccgagtggaa aatcccagca 240
gtcagagtag attggctctg gtcatccatc aaatcaggac agagaaaggc attcgaacca 300
tatattatac agaggttgtc gcaacatgaa aagagcttgg aagtgcgagc cggctcccgc 360
actgagcaga aagatgtatt tgagtcctct gataagccca acagatctgc gaagtcagac 420
tccggcacta gggaatcaaa gaaacatggt ataaacgggt ccaccaagag cactcctgtc 480
gagaagccgt ccaaaccgag tagtgaagat gaatcagtga aggcaccacc tccatacaaa 540
cgaccatcac agtcagcatc agtctcgcct accaaagaaa ccagaccacc aaacacagcc 600
tcgccttcaa acaagcgaaa agcgccagac catgtcacaa cctccgcaca agccgcaatc 660
caacttgccg taagcggatt tctcaagcaa gcacgaacag caaactcgcg ctcannatct 720
gataccacag accaagaaag cgatagtctc cgccgaaggc gccggaaacc actcctcgga 780
cgagcaccat ccgactcctc tgcacagggc gtgttctgcc gagccagctc aattgacaca 840
ctcaatgaag acggatgcgg aagtgccgcg gagagcatcg gcgcagaagg cttcaactcg 900
ttccttacag gcgggcgatt cgagccatcg gaatctcaac gtcgcattga ggatcaagag 960
aatgaggagc ctgcaatgac tcaactgaac tatgaggatc cagatgccgt caaaatgcgc 1020
gaagagctct ttagtcacgc tggcaaactg tccaataaga caaaatcttc cgatcagggc 1080
gtgatcgtgg gtgaggtcag ggaattggag gatattggct ggggtactgg tcggagaacg 1140
aggaaggcgg ttaaggattc ggaggctgag ttgtaa 1176

<210> 18092
<211> 375
<212> DNA
<213> A.fumigatus

<400> 18092
ctttcaacaa cagccgtctt gactacagct tacatgcttt cgtcaatccc gcatacactt 60
ccccctcgtc tctcacgcaa gcttgccgct actctgtctg aaatggacta tgtacactcc 120
aatgccactc gtatctcgac tgaggtccgt cgcatcctcc gtatacccgc aggcaatttg 180
cagactagcc tcgctcaagg cattgaagac ctcgcaaaac gcaagcagga ggtcagcaag 240
acgaaacatg agagcgaggt tgcaagcaaa tacttctcaa acctcttccg ggatagtgga 300
gagaaccgac ggtcagttga ggatattgat cttgacgccc ccttgcctgg aggtctggcc 360
gccgtgcaag gctga 375

<210> 18093
<211> 2187
<212> DNA
<213> A.fumigatus

<400> 18093
gcgatttccc gaacgattga tacgttgaag gagcttcagg atatgaaccg ccaatggcca 60
gcacactatc catctgtaca gagcgctccg ggtagccccg gctcggattc gcaaagaccc 120
ggtctacgac agagtcagtc gtatttcgaa agtgagcata atcagtcgga gcctttaccc 180

cggccaggac aaattcgacg cgcagccacg atgtccggaa gcgacgactt ggcggagtcg 240
agtgcggctg ccgaacgccg accttctcca gaaccaagat tgatgagccc acagattgcg 300
caggaattct cgattttgaa gttggatttg aagcttggtg ctctgtcaca agccgagttg 360
gtacattcgc tggagaaggc ctcgattgca tcacttttgg acggaaaaat tagccagagc 420
attaaacacc ttctttccct gcgtgacaga atcgaggata catcaagcaa ggtgctaatc 480
acaggagact tgaatgccgg caaatccacc ttttgtaatg ctttgctgcg gcgcaaggtg 540
cttcccgaag atcagcaacc ctgcactagc attttctgcg aggtgctcga tgcgcgagag 600
aacagtggag tcgaggaggt acatgcggta cacaaggaca agcaatacga tcgcaacgac 660
gaaagtacct acgatgtgta cactctcccg gaactggaaa acatcgttat cgacaactcc 720
aagtacatgc aatgcaaggt ctatgtgaag gatgtccgaa cgatcgatga atccctcctc 780
aacaatgggg tggtggatat cgctttgatc gatgctcctg gtctcaactc agactcgtta 840
aagacgacgg ccgttttcgc tcggcaggag gaaattgatg tggttgtttt tgtggtatcc 900
gccgccaacc attttactct ttccgccaaa gagttcatct tgaatgctgc tcatgagaaa 960
gcttacatct tcattgttgt caatgggttt gatcagattc gtgataagca acgttgcgaa 1020
cgcatgatcc tggatcagat tggcaaactc agtcctcgca cgtataagga agctgctgag 1080
ctggttcatt ttgtttccag taatgccgtc ccagtcgcgc ctcccgtcca aatggagcag 1140
tctggtggtg gcagcggtgg aggttctgat cctcatggag atgatgatga cgaccattct 1200
gacaatagag ggaagggcaa aggaaaggag agggagaaga ttcgagattt tgagaacctg 1260
gagggttctc tcagacgttt tgtcctggag aagcgcgctc gctccaagct ggcgcctgcg 1320
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atcgctcagt cggaactcaa gcgcgttacc gatgagctcg ctgagctcga gcctgcctat 1440
gaaaatggca aaaagaaaca ggtcgagctc ggtgaagaag ttgaaaaatg tattgatgac 1500
tcatgcgagg atgtctacaa ccatacgcgc tcaacattga cggacaccat ctcgcgagtg 1560
tctgaggcag acctaggtgt tgagtaccct ggcctgttct ctgcattcca gtacgctgag 1620
gatctcaaac tagcaatgct ggagcagatc gctacatccg tcgctgattg cgaggactac 1680
gcacgggcaa agactgcaca aggagtggga ttcattcaga acattggtct tctgcatgtc 1740
ggagaggaca agtttgctcc cttgaacttc cgtgctgatg caatgttccg ccgtggtcgt 1800
cgccacaccc tagctagaca ggtcgacact gaggtggaga tctgggactt ctttgatatt 1860
accggtttgt gggaacgaca ggagaagatg gctggcactg gaattgccat gactgccgtg 1920
acagttctcg gtggtcgagc cttcggaggc agctgggtag acagcatgct cagtgccgtc 1980
aaaatccttg ggcctaacaa cttgcggcgt ctgctcctac caggtattgt cgctgctggt 2040
aagtttcctg ccgttttcaa ttctgctata cgcgattttg agctaacttt caacaacagc 2100
cgtcttgact acagcttaca tgctttcgtc aatcccgcat acacttcccc ctcgtctctc 2160
acgcaagctt gccgctactc tgtctga 2187

<210> 18094
<211> 357
<212> DNA
<213> A.fumigatus

<400> 18094
ccatccatca gcgcaaaacg ctacgaacgc ttgctcaagg cctacattga atcagcgaac 60
actggcgcaa ctgccaaggc tggtcctcct aagaagtcca aagcaaaggg ggcaggcgag 120
agttcgggtt cgagttcacc cgcgaagcgt aagcctgcag gggagagtag taagggcaga 180
gccaagaaag cacggatgtt gaaggagggg gtccttgaga gcgcacacag aatgattgag 240
cagagattga gtcctgtgaa ggaggaagag gggtccgatg ccgaagagga gaaggctcaa 300
ggcgctaacg ctgatgcgac tgctgtcgat gatgagacgc tgttgggcca attttga 357

<210> 18095
<211> 636
<212> DNA
<213> A.fumigatus

<400> 18095
aaatgtccgc caaccccgag accaacggtg gggacatcag tagtgccgat gcccatttca 60
tcattgaatg cctcaaaaat ctcaacggat ctaagcaggt cagtcaacag agttcctcac 120

gtttttatcc tctacagaga tgcaataccc ctaacaacac accaggtcga catcggtaaa 180
gttgccactg tctttaagta cagcaatgtg ctgtcagccc gcaaccgtct tcgcaacctg 240
agcaagcgct atggatttcc aaacctggag tgcagatttc cctctacccc tactaaggcc 300
ggcaaagctg gtgctattgt cgaggctgcc aaggatgata ctgcgggcga tgatccttct 360
tcttccggcg agactgtcca gtccactcct tccaagcccg ctcgcaagcc tgctggacgc 420
aagggagcca aggtcaactc aaagccgatt cccgccacgg gcccggtgag cgccgatggc 480
tctacctctc cttcaaaaaa gcgcggtcca agaggcaagg gcaagctagc tgttgcccaa 540
gaggccgccg tcatggagtc tgttgagatt ccagtcaaga aggacaatgg aaacgtgaag 600
atggaggatg gtggggctat caaagttgaa gcttaa 636

<210> 18096
<211> 246
<212> DNA
<213> A.fumigatus

<400> 18096
ctagcgatag gtcttgaatg ggctttttac aaattctcca catgctatca aacagtcatc 60
aatgaactgt cattgtttcc taatatgatg gtacctattc ttaaacctaa tgacgagttc 120
caaacaaatt caatgcttag aacatctccg tggggagata gtaccgcaaa aggaaatatc 180
aaagctcaaa tcaaaccatc gttctctcag cttattgctc gtatcctcca ggttcctaaa 240
ttctaa 246

<210> 18097
<211> 246
<212> DNA
<213> A.fumigatus

<400> 18097
gatatgatga ctcagcatga cttcgtcact ttacgactta tgattccctt tcctgtttat 60
gttttctatc tgtatctaag gatcatcaca atcaatcatc aaaatccatt cgttaaatca 120
tcaatttcct taccgaacgt ttcagtactt aagactggaa tctttagact agctggttca 180
gccattgttg acatggaagc acatgactac gtcatgtctc ctgtttgtaa tgtttgcacg 240
tggtga 246

<210> 18098
<211> 594
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (307)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18098
gtacattccc tcacaacgac atgtatgtct ttcttaccag cgactaggag ttctcttttt 60
gggttcttta cctttggaat ggccataagc tctgtgcaac ttgccgcgaa taatctgaca 120
acaattgaga acctcaaccg ccgctcggcc gtgtggacct tggcaatacg cgtgccaagg 180
cacatcctca gcaaacgctg ggcaccaacc ttccgtacaa tcacataccc tctcccgcct 240
gttcctccgg ctgagtcgga agtcgcgcgg gaatccccag gcggagaaca gcatgtgttc 300
gcaattntac agactctacc aggggaaaat ccatttgacc ttggaagtcc gctcaagaat 360
atacagcagg taatgggttt ctctctgctc gagtggcttc tccctatcaa gcaaagtcct 420
tgtgcggacc acagtagtaa cgagagcgcg tttgccctcg ggcccgttgt gacgaggttg 480
aagaaagagg ctgggttaga agtttccacg gagtcggagt cggcggaccc tgtgggtgcc 540
gcagagacac cacagcatga acaaagacga ggaaaacata gacggcgtaa ctga 594

<210> 18099
<211> 558
<212> DNA
<213> A.fumigatus

<400> 18099
aaaacagtcg actatctcat acatcctgcc caccattatg accgaaggtc tcggagtggc 60
gctggtgccg ctattcttgc catttattac gtcctgctga ttcctgtgtt ggccacctat 120
ctccggcttc tgtataacgt tgtcttgagc cctggttacc tgccgcgggg tacagcatgt 180
acccagaacc agaccggcag tgatgggtca aagcaccgtc atcgaagaca tcgcaggagg 240
aaaagcggac atcatctgtc caaaacgacg gagaaaacgg atagatctga cggaggcgat 300
gtcgaacgag gacttgagta cagtgcgaga gcaaaggcat accctctaga tgcggaagga 360
ttggagagct tctacacgaa agatgtcttt gtatgtcaac cggacgggag accagtgtat 420
tgctccacat gctgtcagtt caagacagac agagcgcacc actgtcgaga ggttgaccga 480
tgtgtccgca agatggatca cttttgcccg tggtatgtcg gaatcataca cgggcttttg 540
caatggcaag gagactaa 558

<210> 18100
<211> 552
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (348),(536)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18100
aaccggcagc tggagcacag aatatggagt atctcgaacc gtttaatgca ttccaaattc 60
tcttccctga acgcggacaa cacggggttc tcccacggcg cgtacaattc taatcttccc 120
gtccagggtt tcgcggatcg gaacgctcgt cgtcccaaca tccctcacat caatacctct 180
aacccggcct cgacccgctc ggacggcatg gcaaactccg gcacggcatt tgacatgaac 240
ttcacgcctc tcctcccttc tcagcttctg ctgggcagtc catcccagcc tggaactccc 300
tcagccttcg cttcgccgca gtttgctaat ttcggtggct tctcccangc cagtgcctcc 360
gcacatgcac aaaatcatca aacccagttg ggaaagccaa cccaggccgc accgaacgcc 420
ggtttgtatc ccgggatgat ggcaaccgaa cgcttgggcg aactctcact tgttgaacgg 480
cccacagtct ccaattggtg gtctggggag ggcctggtaa tgcaacaatt ggggantccc 540
ggcagcggca ac 552

<210> 18101
<211> 222
<212> DNA
<213> A.fumigatus

<400> 18101
aggttgattc gctgcagacc tggggcgcat ttgaatgtcc cgggcttttg cctgggagaa 60
gccacactgt gcccttgtga gctgccttgc ccattgttgg atgtgattca tgtctttctc 120
atcatctcat tctttgtctt ttatttaaac atgctccaat ccctcatgat ggacactctt 180
tcattcttca tcattcaacg caacaagcat tcaactatat ag 222

<210> 18102
<211> 441
<212> DNA
<213> A.fumigatus

<400> 18102

acctgtcttc aaggctctca gaactgtcat tccttctcct ccatcgtcag gatcattcgc 60
tcaaacgtgt cttccatccc aatcatgcct ggctcctggt ttactgaagg catggacaaa 120
accctgaaca ttaacatcaa cgactctcta tccggctgcc acgacatgtc ttcctaccac 180
gccgtcactg tctccagcag acagcatcta cacatcagtc gtcaagccag tctacagagc 240
ccctcgatgc tttacgagga tcttccggag acctactttg ccggccactc aggtcgggcg 300
acaaacatga acaaagtcta cagccagacc tacatgtaca tctgctgcaa ttgcggcgac 360
gggccgaaag tatacaatgt ccagccgaga tgcacagagt gcaaccacat tgtgtgcggc 420
agttgcaagc ctgtcaagta g 441

<210> 18103
<211> 960
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (948)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18103
tatactcata gcgtggatcc tgcggcccgc ttggtgaaga ccctgttcct gacgagtgtg 60
attattttca ccttctttgc cctggtggtc atgatcatcg tcctgctgat gaaagtggtc 120
tgcgcggtgc tggcgaagaa ggggcgaacg ggtcccgcct ggggccactt cctcggtgaa 180
tgggacgtcg tcgcccgcgg ggtgctgtac cgtctggtct ttatcggctt cgcgccgctg 240
agcaccttct gcctgtggga gttcacgcag cgtgactcgc cggcggagat cgtggtggcg 300
gccatcatcc tggcctcgat cagcggggcg ctggtctggg ccgcggtcaa gatcatcctg 360
ctcatgcaaa agtccatctc gatgcatcgc aacccggcct acgtcctcta ctcggacacc 420
acctgcctca accgctgggg cttcctgtac gtgcagtacc gcgccacagc cgccagcttc 480
atcctcgtcg tgatcggcta cctgttcgtc aaagcgctgt tcatcagcct cgggcagacg 540
gtgccgatcg tgcagactgt cgcgctgctc gtgctcgagg gtctgatgct gatcggggtg 600
agcgtcgtgc gcccatggat ggacaaacgc accaacacgt acaacatcgc tatcgcggcg 660
gtgaacttcc tcaacgccat ctttgtgctt tttttctccg gcgtgttcga ccagccgggg 720
atcgtctccg gggtgatggg cgtgtgcttc ttcgtgatca acgcggccct aaccctcgtg 780
ttgatactct tggtcatcta cgcgtccgtc atggcggtca tctccaagag ccccgatacg 840
cactacaagc cgatgcagga tgatcgcggc tcgttcatcc agtcccaggc acggctgggg 900
ccggagctgg atgacctaag cgctgtggct ccgaggggca tggtcganac caagtattga 960

<210> 18104
<211> 585
<212> DNA
<213> A.fumigatus

<400> 18104
agcccatgga cgccggtgtc catgcctaac atcaagtcac tccacaaact gacagacaaa 60
caaaccgaca gcaaaatgca cttcaaactc tctactgccg tgctcgccac tctcgtcggc 120
gtggccctct caggcccccc cgtggcccgc gacgccgcca ccatcctcag tgacctcagc 180
accatcaaga ccgacatcaa cactctcacc cagcacttca acgagttcac cggcgacctg 240
ttgcaggccc tcgccgccca ggccgtcgag cagcagctgg aaagcgacat cgaccaggcc 300
accgcggatg caaaggccac ttcggccctg tccgccgctg acagcaccag cgtcaccaat 360
gctcttctgg gcttgaagcc tgatatcgtc acttctctgg acgcgatcgt tgccaaggta 420
ctcccatcct ttctttgtcg atggtgtatc aacgagacta attgtgtaga aaccgcaggt 480
cgactccgcc ggcgtgggca gcttcgtcct ctcggacctg aatgccctgc agagcaagac 540
ggatgccctg tccggcgcgc ttcaggatat tgccactgcg actga 585

<210> 18105
<211> 189

<212> DNA
<213> A.fumigatus

<400> 18105
aaaccgcagg tcgactccgc cggcgtgggc agcttcgtcc tctcggacct gaatgccctg 60
cagagcaaga cggatgccct gtccggcgcg cttcaggata ttgccactgc gactgacaag 120
gataccattg cgtctggcac ccaggatatt gatgcggcat tttccagcgc cattgctgtc 180
ttttcttga 189

<210> 18106
<211> 876
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (109),(165)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18106
cccgggagat taaagaaaag ggcaaggggg tatccaccgg acggccaggg aaaacagggt 60
tggtgcggca ttctccttca agggggggcat gacccagcac cctcctccnt gatggcatgg 120
cggaaggagg gcgaaatcgt gacttccttc cgcttcagct cgggntatgc catgccagac 180
gtgtacgccg gcaacgccac cctcacgcag atctcgtcgg ccgtcaacgc cacgcattac 240
acgctgctct tccgctgcca gggctgtctc gcctggaacc acaacggggt gacggggtcg 300
gcgccgacca gcgccaagca gctggtgctc gggtgggccc aggcggtcgc ggcgccgggg 360
aacccgtcct gcccggggga gattacgctg cagcagcacg atgcgcaggg gatctgggtg 420
gcgaagcttg atgcgtcagc ggccagcgcg tcctacgagg cgtgggcggc gctggcgaac 480
aagactgttc ctggccattg ctccgggggc ggcgggggca cggggccggt cggggtgccg 540
gtgccgcctg gaacgacgtt tgattatgtg gttgtcggtg gtggtgcagg cggcattgtc 600
gtcgcggacc ggctgagcga ggccggtcac agcgtgttgt tgatcgagaa ggggcccccg 660
tctacgggcc gctggggtgg taccatgaag cctgactggc tggtagggac gaacctgact 720
cggcttgacg tgccggggct gtgcaatcag atctggcatg attccgcggg gattgcctgc 780
gacgatatcg accagatggc gggttgcgtt ctgggcggag ggacggcggt taatgccgcc 840
ctgtggtgga aggtaacgtc ttctcttccg ttgtga 876

<210> 18107
<211> 297
<212> DNA
<213> A.fumigatus

<400> 18107
gcgtttgcac tgaagcatga atggcgaaac caggctgaca ccccatgtgt agacgccgtc 60
gtcatgagcc aatacctcgg ccggggctct acctcccgcg gacgcatgac catcaccgca 120
aacttggata ccgtcgtctc gacgctcccg tacctgcgcg accagcacga cgtcgacgcc 180
gtcatccagg gcctggtcaa cctgcagaat gcgctgaagg gagtcgggct gaactggacc 240
tatcctgcgc cgaacatcac cgccgaagaa tttgtcaaca cggtatgtcg cgtctga 297

<210> 18108
<211> 333
<212> DNA
<213> A.fumigatus

<400> 18108
ttaccgctcc tacgcaaact acaaactaac tcctacagat ggaaatcact gcgagcacca 60
gacgcgcgaa tcactggctg ggtagggaac cggactcgtt ttggggaatc atctgctgac 120

catgatcaac cagggacttg caaaatgggc accgacgacg gaagaacggg cggcacggcg 180
gtggtggata ccaataccaa ggtctacggc actgataatc tgttcgtcgt ggatgggagt 240
atcttcccgg gcatggtgac cagcaatccc tcggcgtata tcgcgattgc agccgagcgg 300
gcggcggatc ggattcttgc gttggctact tag 333

<210> 18109
<211> 483
<212> DNA
<213> A.fumigatus

<400> 18109
cgttcgccca cggcgaccag gataatccac ccaagtggga caaactgcaa caatggtata 60
ttaccttctt cgtcagtgtg ctcaacgccc tcacgtacgt ttcctgctcc attttgcata 120
ccctgtgtga caacccacca gctggtggtg cgccgaaggc atcttgtcgg cagccaccgg 180
catcgccgag gattccattt ctccttcgaa gtcaccacgc tttgcgtctc gctgtacgtg 240
ctagacttcg ccatcggtcc cgtcctcctg gctccgctct ccgagtactt gggccgacaa 300
ctcgtctacg tcgtctcgtg gttcctcttc atcttcagct gccgcttgcc ctcgccccca 360
acatcggcac catcatcctc tgccgtttct tggcaggtcg tgccggtgtg gacggcgcgg 420
ttggaggaaa gggggggggg gggggggget ctgaagtcta ttctggttag gtgggtgatt 480
taa 483

<210> 18110
<211> 576
<212> DNA
<213> A.fumigatus

<400> 18110
cgggcaacaa acaaaaagcc atatcccctc gactggacct acaatttccc cgcgggctgg 60
caggcggagg acatggtctc cccgacaaac cgggtcttca accgcattcc gtggactgtt 120
cgtccttccg ccgacggaaa gatctatatg cagcagggct acagtgtcat cgcgggcggc 180
ctgcaagcgg ccggctggca ggaactgacg ctgaacgaca acccatcggc gaagaaccat 240
acctacggcc atacgccgta catgttctcg cacggcgagc gcggcggccc gctggcgacg 300
tatcttgtgt ctgccagtga gcggaacaac tttaagctct ggatgaacac gaccgtcaag 360
cgcgtggtcc ggacggctga cggacatgtc actggcgtgg aggtggagcc cttcctggac 420
ggcggatacg agggcgtcgt caacgtcacg gcgaagacgg gccgtgtcgt tctttcggcg 480
gggacgttcg gttcggccag gatcctgatg cgaagtacgt gccttttgtt tcttgctttt 540
tggttttgtc ttttttttgtc tcatggattg tgctaa 576

<210> 18111
<211> 225
<212> DNA
<213> A.fumigatus

<400> 18111
tggtcccgtc ctttcgggga cggcctcggc ctcttttggg tcccggagga ggtggtggct 60
cctgaccagg cggatacttt ctgggacgac ctcttttcct gggctcgccc gtgtaaggat 120
caattgcagg ctaaaaacga agagtcaata ttagtgcatg ttcatcccaa gtttttatcg 180
ccctttttccg gtagcctgag tgagcaatcg tatttctatg gatag 225

<210> 18112
<211> 222
<212> DNA
<213> A.fumigatus

<400> 18112
ccctgccaag aagatccgtc tgatcatggc ccaccccgcc tccactggcc ggtaacaccg 60

ccgaaggtcc tccgtgtggt tgatgccctc cagaccaccg acaagcacgg cgttacctgc 120
cccatcaact ggctccccgg tgacgatgtc atcattcccc ctccagtctc cactgaggat 180
gctaacaaga agtttggcga gatccgtgag gtcaagccgt aa 222

<210> 18113
<211> 252
<212> DNA
<213> A.fumigatus

<400> 18113
agcgccaatg gcaccgactc ccacaaggcc tggatcaagg acatcgacga ggtcaatggc 60
tccaagctca ccttccccat cattgccgac cccagccgca agattgccca cctgtacgat 120
atggttgact accaggacac taccaacgtc gacgagaaag gcatcgcttt cactatccgt 180
tccgttttca ttattgaccc tgccaagaag atccgtctga tcatggccca ccccgcctcc 240
actggccggt aa 252

<210> 18114
<211> 264
<212> DNA
<213> A.fumigatus

<400> 18114
ttatttcttt cccatcatcc cgtgaacatc cttgagcaca gttctcagct catcacctca 60
agcttccagg aagaaattaa aatgggccga aagcgcaagt ccgaaggcgc tgccgatagc 120
aaccctccaa agagagtgcg taagcctaat ttcaatgcgg atttcctctt cattggtctc 180
tccatcgatt ccaagctgcc cagcgcgtca tgcgagggcc atagttgccg tcaatccgcg 240
aatgtgcgat tctcggcagc ttga 264

<210> 18115
<211> 294
<212> DNA
<213> A.fumigatus

<400> 18115
ctaacgtata ctttggcgca tcatacagag tctgcattcg accctgctca cccgtactac 60
gacccaaagt cgaaaagaga caacccaaaa tgggaagtcg ttcacgtcga gttccgtcgc 120
aaattcaaga agatggtcac actcaacgac ctcaaggctc acgcgacgcc cggcggtcct 180
cttgaggatc tacaagttct gaagcagact cgactcagcg tttcctctgt gacgccagca 240
caatggaagt tcattctggg gttggcgggc gagtcatcag agtccgcgga ataa 294

<210> 18116
<211> 282
<212> DNA
<213> A.fumigatus

<400> 18116
ttaattaaaa tagcttcaaa tatcaaaata tctaaaatta gtggttacgg tgcaattggt 60
ggttacggtg cggcgcaccc tcaacgcgga agcggtgagg gtgcgtatgg cacggatact 120
acttacttta gtgtggtgcg ggcttcgaag cggtcgctcg ttcaaatggt ccaggcaatc 180
aggcactgcg atccaatgat atggatggag aacattgtgg ggatactatt agcttctgtc 240
tatttacgga ctacagagtt ctgtcttgtt cgattgattt ga 282

<210> 18117
<211> 663
<212> DNA
<213> A.fumigatus

<400> 18117
cgccgtgctt gtcggtggtc tggagggcat caaccacacg gaggaccttc ggcggtgtta 60
ccggccagtg gaggcggggt gggccatgat cagacggatc ttcttggcag ggtcaataat 120
gaaaacggaa cggatagtga aagcgatgcc tttctcgtcg acgttggtag tgtcctggta 180
gtcaaccata tcgtacaggt gggcaatctt gcggctgggg tcggcaatga tggggaaggt 240
gagcttggag ccattgacct cgtcgatgtc cttgatccag gccttgtggg agtcggtgcc 300
attggcgctc tagcggaatg tcagcgaacc tattcatgtc ttgggaaccc ctggatccag 360
cttacaagac caatcagctt gacattgcgg gcagcgaact cgggctcgag cttagcgaaa 420
gcaccgagct cggtggtgca gacgggcgtg aagtcatcct attccattag agatcagcct 480
tctttctttc aatcgtctgg gctattcttg cacgcggcga tctgggagat cggaggtact 540
aacagggtgg gagaagagga tagcccagct gtcgccaatg aacttgtgga aggagatagg 600
accattggag gtatcagctt cgaagtcagg ggcagtagag ccgagacgga gactgttgga 660
tga 663

<210> 18118
<211> 348
<212> DNA
<213> A.fumigatus

<400> 18118
aattcttctg tgagactgac tgcgcctgaa gccccaaatt cggcacccga aactccccag 60
ggcccgaagc gaccagtggg aagacccagg aaaaaccccg tacagaacgg aaccgagaca 120
ccatcgcgac cgatactctc agaatcggaa gagccgaaga ttgatgatga ggagagtgac 180
cggtcatatt ggttgatgaa ggcagagcct gagtcgcgca tggagaaagg agttgatgtc 240
aagttttcca ttgatgatct gcaggcggct gagaagccag agccgtggga tggtaagtct 300
ctggattctg gtccccttca atacaatgga atgctggatc ggagctga 348

<210> 18119
<211> 1128
<212> DNA
<213> A.fumigatus

<400> 18119
ccaagctgtt catcgagaga ggcgctgccg gaatccacat tgaagatcag gcccctggta 60
cgaagaagtg tggtcacatg gccggaaagg ttctcgtccc tattagcgag cacatcaacc 120
gtctggttgc catccgcgcg caggcagata tcatgggtga gtagacacat gcagattgcc 180
cattccacca gaatctcagc tgacaagacc gcaggaaccg acctgcttgc catcgcccgt 240
accgactctg aagccgcaac actcatcacc tctaccatcg accaccgcga tcacgccttc 300
atcgttggct ctaccaatcc caacctgcag ccactgaacg acctcatgct ggctggtgag 360
caggctggca agactggcga agagctccag gccatcgagg atcagtggat tgcccaagct 420
ggtctgaaac tgttcgacga tgctgtcgtt gacacaatca aggcgggcgt gcacgtcaac 480
aaggatgccc tcatcaagga gtacctgact gccgctaagg gcaagagcaa cagtgaggcg 540
cgtgcgatcg ccaagggcat cacgggcgtt gacatctact gggactggga tgctccccgc 600
actcgggagg gctactaccg gtaccaggga ggaacgcagt gcgctatcaa ccgtgctgtt 660
gcctatgctc cgttcgcgga cctgatctgg atggagagta agctccctga ttacgctcag 720
gcgaaggagt ttgccgacgg tgtccacgcc gtctggcccg aacagaagct ggcgtacaac 780
ttgtcgccat ccttcaactg gaagaaggct atgccgcgtg aggagcagga gacttacatc 840
aagagactcg gcgctctggg ctatgcctgg cagttcatca ccctggctgg tctacacact 900
accgcgctca tctccgacca gttcgccagg gcctacgcga aacagggaat gcgcgcgtac 960
ggtgaactgg tgcaggaacc cgagatggag cagggtgtgg acgtggtgac ccaccagaaa 1020
tggagtggtg ccaactatgt ggataacatg ttgaagatgc tcaccggcgg tgtcagcagc 1080
accgccgcca tgggtaaggg tgtgacagag gatcagttca agcactga 1128

<210> 18120
<211> 237

<212> DNA
<213> A.fumigatus

<400> 18120
ctcagctcct gtcccgccca tccccgccct gaaattcctc ttctcagttg taacttgtca 60
cccttcaact tttacccctt ttccatcatg gttgcgtcgg acattccccc tcttcaattt 120
actcctattg aagatatcca ggagcgcacc tcaagactgc gcaagtcgtt tctagagcac 180
aagacgcgcg atgtcgaatt tcgtttgaag cagcttcgca agctctactg ggcgtga 237

<210> 18121
<211> 876
<212> DNA
<213> A.fumigatus

<400> 18121
agtgcattca acttcccctt tcaattgact cttggaccgg tcattggcgc tattgctgct 60
ggtaatactg tggtaatcaa gcctagcgag aattccccca agtgcgccgc cgtcatgcag 120
cagattgtgg aggcttctct cgacccgtca tgctacacgc tggttcaagg tggacccacg 180
gaggtccagg ccttgcttgc tgaacgatgg gacaagatct tctttaccgg aggcgccaac 240
gtcggccgta tcatcgccaa agcagccgct cctcatctga ctcccgttgt gctggaactg 300
ggcggcatca accccgccat catcaccaag aatgccaacc ctagactggt tgcgcgccgt 360
atgctgtggg gtaaaacgtt gaatgccggc cagatttgca catcgcagaa ctacctcttg 420
gtggacagag ccatcttgcc cgctgtggtt gaggagttca agaaggccta caaggaattc 480
taccccccagg gcgctaaagc atcgccggat tactctcgca tcatcaacga gggtgccttc 540
cgtaagctga agtccatgat cgataactct aagggaaaga tcctcatggg aggaaccatg 600
gacgagaacg aaaggttcat cgaaccgacc cttgtccagg tcgattcgcc cgacgactcg 660
ctcatcgtcc aggagagctt tggcccattg attcccatcc ttcccgtcga caacctcgag 720
gaggccgtca atatcgccaa cagcatccag agcactcctc tgggtgtata ccccttcggt 780
aacaaggccg ataccgacaa gagtaggtcc accacacttt cccgtaggca aaaccctgca 840
accatacttg acacaggacc aacccatctg acgtga 876

<210> 18122
<211> 375
<212> DNA
<213> A.fumigatus

<400> 18122
tctacagtcc tttccatgac tcgctccggc ggcgctgccg tcaacgatgc cgccctgcac 60
atccccacgc ttcccttcgg tggtgtcggg gagagtggcc acggcgccta cagaggaaag 120
gccagtttcg acgtcttcgt gcaccgtcgc cccatcacca ccagccccgg ctggctcgag 180
gcgatcctct cgatccggta ccctccgtat gccggaaaac ttagcaagtt caaagtcgcc 240
agtaccttgg tgcccgattt cgatcgcgac ggcaataagc ttcggttcgg ctggctgcgc 300
acaatcctta ctctcggcgg gggaaccgcg aaggctggtg ccggcagggc agcagttgtt 360
gcagctggtg agtaa 375

<210> 18123
<211> 306
<212> DNA
<213> A.fumigatus

<400> 18123
cagagcaaca tcactgacct ttctcctctc cagaaaaaag ttgccagttt cacctatggc 60
tgtctggaac caacaatgct cacccagatg gccaagtacc tcgacaccgt ctacgtttcc 120
ggctggcaga gctcttccac cgcctcgtct accgatgaac cctcccccga tctcgctgat 180
taccccatgg taagctcgta tttagcctcg accctatgct ctgttgggct cgtgctaatt 240
ccgtattgcg cagaacactg tccccaacaa ggtaaaccag ctgttcatgg cacagctgtt 300

ccatga 306

<210> 18124
<211> 381
<212> DNA
<213> A.fumigatus

<400> 18124
accatccacc cactcatttg tttttggggc ttctttctaa taaatcatgc ctttcttttc 60
agtatcaagg accatgagga gcagatcgtc gaggccttgg cccaggatct gggcaggcca 120
cgtttcgagt ccgaagtcgc cgagagttta tggatggaga atgacatcgt gtttgtgagc 180
cggaatcttc acaaatgggt taaggatgag aaggccgagg acatcgactt caactacaaa 240
tttatgaacc ctaagatccg taaagacccg ctgggttgtg ttctggtcat tgggtatgag 300
ctagcgattt gcgacttgcc agactatata ctaacgctcg gcggttcgaa taaagtgcat 360
tcaacttccc ctttcaattg a 381

<210> 18125
<211> 441
<212> DNA
<213> A.fumigatus

<400> 18125
aacctcttca tacctgtcac aatgggtttc cttgaagacg aagaccagaa atactgggac 60
gacgtccaag ccgtcaaggc ctggtggaaa gactcgagat ggaggtacac aaaacgcccg 120
tacactgcag agcagatcgt ggcgaagcgt ggaaacctga agatccatta cccctccaat 180
gaccagagca agaagctttg gaagatcctg gaaagcaact ttgaggtacg caggtttgaa 240
cgcagtgaca gagcaacatc actgaccttt ctcctctcca gaaaaaagtt gccagtttca 300
cctatggctg tctggaacca acaatgctca cccagatggc caagtacctc gacaccgtct 360
acgtttccgg ctggcagagc tcttccaccg cctcgtctac cgatgaaccc tcccccgatc 420
tcgctgatta ccccatggta a 441

<210> 18126
<211> 366
<212> DNA
<213> A.fumigatus

<400> 18126
ttccgtattg cgcagaacac tgtccccaac aaggtaaacc agctgttcat ggcacagctg 60
ttccatgacc ggaaacaacg cgaggaacgc atcacaaccc ccaaggacca gcggagcaag 120
ctgcctaaca tcgactacct gcgtcccatc atcgccgatg ctgataccgg ccatggtggt 180
ctcactgctg ttatgaaact gaccaagctg ttcatcgaga gaggcgctgc cggaatccac 240
attgaagatc aggcccctgg tacgaagaag tgtggtcaca tggccggaaa ggttctcgtc 300
cctattagcg agcacatcaa ccgtctggtt gccatccgcg cgcaggcaga tatcatgggt 360
gagtag 366

<210> 18127
<211> 936
<212> DNA
<213> A.fumigatus

<400> 18127
ataccccaac gtccgaattg tgcatggaga cctcgactcc gccgatgtga tcgaggaaga 60
agtcaagaat gcagatatcg tcttccgtac gtgaacatcc tccgctacca gcgaactata 120
gactcacttc gttcagattg cgccgactgc gaccacgttg cttccgccac tgctatcgca 180
aaaggcgcta cccaccacac acctgaaaag cctctctggc taatccatac atctggcacc 240
ggcattctga ctgtcgaaga cttccgtgcc aacacttggg gaatcgagcg taccaaggag 300

cataacgact gggacggagt ggacgagctg atgaacctgc ccgacgactc cttccaccga 360
aacgtcgaca agatcattat cggggccggc cagcgtgctc ctgacagtgt caagacctcc 420
attgtttgcc ctcctaccat ctacggcccc ggccgtggtc ccggcaacca gaagagtgtc 480
caggcctact ggctagcttc tgccgtcctg aaaaggaaga agggcttcct cgtcggcgag 540
ggcaagaata cctggcacca ggtgcacgtc caggatctca gcaatgtgta cctggcccta 600
ggggatgccg cagcggcagg atgcggcaag gccacctgga acgagcaggg gtattacctc 660
gccgagaacg ggtcgtttgt ctggggcgat atttcccgtg ctgtggccaa ggtggcatac 720
gagaagaagc tcattccgtc tcctgatgtc gagccattgt cagacgagca aatcacggag 780
ctaaatcagt gggggctgta tgcatgggga agcaactcgc ggggccatgc catacgcgcg 840
aggaagctgt ttggctggtc gcctcaacag cctagtttga tggaccttat ccctcaaatc 900
gtggagattg aggctaaagc tttgggacta atgtaa 936

<210> 18128
<211> 270
<212> DNA
<213> A.fumigatus

<400> 18128
ccgcgatcct cgcattgctg cttggaatta cgttttgctg gagctctctg cggttctttg 60
atcgattcag ccaacaacac aagacgacaa ctcgtctccg cactatttac caccacaggt 120
cgtcctctcc atcgtatatt ccttttcgtc ccatatatac attctccttt tagttgttgg 180
tttgacttcc tggcatgtac tgacagtttt acttacaaag accgctacat gagttgcgac 240
ctgtcggaaa tttcgcggtt ttctctatga 270

<210> 18129
<211> 1764
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1761)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18129
ggtgctagat tggacgaagc tgtcatggct ccaggtgccg gaggaaagag gaagagaggc 60
gacagatcgt ggtctggcga ctccggcaac gacggactac ggccatcccc ccaccgaccg 120
ggcaatctca acatggcgca acacaaccac ggctcgcatt caaatcaccc tcgcgacttt 180
cccgaaacgc gcggtcgcgt acgaagacag gctagtcgag gcgggaggaa cagtaataac 240
cttagccgac gacctagcaa tgacattccg aacgtcaaca ctggacagaa ggattcgccc 300
atgtctccgc ctgccagaga tgtacctgat tcgagccaga caaatgggtt tccaccgacg 360
gtagctgcag ctagtatacc gccctcgccg tctcctgcgc cgactgtaca gcagacgccc 420
gcacaagcgc aggcatcccc gaagcctcag tcacagtcac tgccttcgcc tgcgcctccc 480
gtcaggcctc cgccaggtcc accgccgcct tacgattacg aatatgtcac tgagagtgta 540
gttgaagatt ggatgtcaac aggaagacag aaggtcatca aggatggcgt gcaggctagg 600
gaccaggagg atgcgtcgac attggcttcg atctaccagg aaatcatcag agctgcattc 660
tacggccgtt tgtcgcccac agacgccgga tcggtgatca aggagattat tggtgaagag 720
gttgcagctc aagatatcga tatggttgac gaccggcagc cctcagcagc tcttgacacg 780
cgctctttgt tcttggacac cctgtctatt cttaccgatg ccgatcctag caatcctgcc 840
ctgaggccgc tggttttctc cacaggaatc aatgctgccc ttctgcgcct ccaactcgaa 900
actcccgtcc ttcagacgct gggtcttgtt cgtgatacct ttactcgcat cggcattcgt 960
aaacaaacca atcttctgta ccgacagtcc aactacaatt tgctacggga ggagtcggaa 1020
gggtactcca agctgttgac cgagcttttc actactagca acaatgaacc acccaccagc 1080
gaggtcgtag aagatacctt tgagagggtc aaggctatga ttggagcctt tgatatggac 1140
gttggccgag tcttagatgt cacgcttgat gtcttcgccg ctgtgcttgt gaagcaatat 1200
cgcttcttcg ttaagcttct ccgagttagt tcctggtggc ccaaggacga tatttcccgc 1260

actcttggtg gaaatgaccg agactctggt ctaccgaatt gggcactacc aggttctgca 1320
gggtgggtta caacggacga ggaacgagcc gagatcatgc gagccaatga gcagcgagac 1380
cgcgaatttt ggaaccgagt cagagagatt ggtattcgag cattttcga aattgggagg 1440
aagccgatat ccgaagagga gagaaagcgg atatttccag agagcacgac tctgtcagaa 1500
gaagagatgg aaacacggaa atggatcgaa gaaacaggaa ctctaccccc aaaagggaac 1560
agggtcgcag cgcagcttct tggtttcaag cttcgcttct actcgtcgaa agcgcgggac 1620
aagtcagata tcctccccga caacctcatc tatcttgcag ctcttctgat caaggtcggt 1680
ttcatatcgc ttcgcgactt gtaccctcat ctctggagac gtcttcacca cgggggccga 1740
aggatccgcg ctagcgtcta ntaa 1764

<210> 18130
<211> 1020
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (53),(60),(71),(130)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18130
catctcatgg actattcggc cataactcag gacccggatc atccctcggg cantgatccn 60
tgggcatctc ntcgagcgac tcagtcgtct tacactgcat ctaacaacaa cgatattccc 120
ccttcgccgn tacccccgca ccatcagccc agttacaatg gcgatcagga gggcgatgac 180
tttggaccaa gatcgtccga gaacggagcc cccgactcgc ctgatctatc tgcgcgactt 240
caaagtgcgc aattaggaga ccctgactat gctgttgagc agccaccgta cgcgacacaa 300
gcccagtata cgaacgagcc tcggtctcag cttcccgggc gctctcaaac cggagccaga 360
cagaatgcta aaaatgggcc tgcgtataag atccaagcta agattacggg actggagagg 420
acgggaaaga aggatcctat cctacggttt gatgttcatg taagcggtgt tcttgtggca 480
ttcggttcgc ctgcggtaaa acaaactgac gtcggccatc agacgaatgt tcccaaattc 540
aggacaacac agtaccgcga tgttcggcgt acccatgccg agtttgcaaa actagcagac 600
catctgatct ccgcaaaccc ggaggttctt gtccccgcag tgccgcctcc attgacgccc 660
gccggtgccg ggaccgagga ggacgagatc cgagtcaagg catcgatgca gcggtggctg 720
aacattgtta tgagcaatga gattcttatg caggatgacg aggtggttct gtttgtcgaa 780
agcgactttg gttatagtcc tgtcgttcga atgaagcagc ctgcaacagg tgttcggagg 840
aaggtcctga agcaattcgc cccgccgcct gatgataccc ctgaactgca ggatgctcgg 900
cctattgtga agatgttcta ccttggaact atggatgcca gccataaggt tgaccgcgtg 960
gttaaggctc gtcgaggtag gtgccttgat gtctctttgg gctggaagag aattcactaa 1020

<210> 18131
<211> 885
<212> DNA
<213> A.fumigatus

<400> 18131
tacaaattcc gctcaggact cggcctcgct gaatccgatt tcggcgtcaa attagggcag 60
atgcacgtgc aggagacaca ccccggccta gctaatgcct ataagaaatt gggaaaggtt 120
attcaaacgg ttggagacta ccatgcggtc caggcgaccg ccgaggcgac tacgcttgaa 180
gatcccttga gctatcactc ctcagatgcc ttcattgtta aggaaacact gactaatcgt 240
cacatccttc tgcgcgaact catccaagct cagcaagcca cacgcagcaa gcgtgcagct 300
gcggaccgac tgaaggtcag ctcgtccgtt cggccggata aggtcgacga agccatcaat 360
gccctggacg aggcacagag ccatgaggat tatctgacca agcggacaca acgcgtcact 420
tcgaaccttc ttctggagaa gcgtgcctgg ttcgagcgta cctcgaacga tatgttgaac 480
agtctgcgcg agtataccct tcgccagatc gaagcggagc ggagaacttt ggcgactctc 540
gagagtgtcc gtccggacat tcggtctatc gactcatccg gtggacttag ccgcctaggt 600
cgtgaagcac acccggctgt ccgccgggca aacctcgctt ccagtcaagg tcctaaggga 660

gacgcatgga gtgggattcc gcgccgtagt gacagtctcg gacgcagctt gagtggtagc 720
ttcgttgcgc cagcagtaga tgaggacgat gagactaaca ggtcaggcac agccaaagga 780
cgattgcggt ctcccagcgg cgttggctcg atcgtggtgg acgatgacga ggatcggctc 840
gatgccaaga atgccgccag ccgattagcc accagcacat tttga 885

<210> 18132
<211> 243
<212> DNA
<213> A.fumigatus

<400> 18132
tcatactcac atttgacctc gttttccagc acaggtgtta ccgggtacat tggcggagac 60
gtcttctacg ctgtctccca agcacatcct gactggcaga tttccgtcct ggttcgcaac 120
agagagaaag cggctcaact tgccagtaaa taccccaacg tccgaattgt gcatggagac 180
ctcgactccg ccgatgtgat cgaggaagaa gtcaagaatg cagatatcgt cttccgtacg 240
tga 243

<210> 18133
<211> 732
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (15)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18133
aaaggagtgc ttgtntggac aacattgcca ttgcatccag tgctacctat catcgacaga 60
tatgggatga tccaaggatg tcagaatact ctgtacaaca cgagaataac ccctcatgac 120
gtcgtccatc acagtaatca gtttgacaaa agcaacatcc tccaagtcaa ccccattgaa 180
tcttacctcc acggttcaaa tgtagataat ccctactttt atcaccaacc gagagtacag 240
cacagaacaa cactccaagc ttctcacgaa atggcatccg acctcatcac aggtagctgc 300
gcctgccgcc acatctccta cacggccagc cagcccccgt cagacgtaac aaattgtcac 360
tgcaccacct gccgcaaaca ggccggcgca ccataccaga gctgggcgac atttgcccca 420
ggctcactca cctgggacaa ggacaagctg ccctcagtcc ggagatccag tgcctttgcc 480
acccgcgggt tctgtccgaa atgcggatcg agcgttagta tgaagtatga ctacgagcca 540
gagcttctca gtgtgactac ggggactatt gacagtgcgc atcaaggaaa gatcccgaag 600
ccgtcttgtt atctctttct gcaggagaag gtggcgtggt ttgatatgcc tgatgatggc 660
gttgagcggt gggatcggtt ttcgccggac atggctgaaa gtttggagaa atggcagaca 720
atgtcgagct ga 732

<210> 18134
<211> 240
<212> DNA
<213> A.fumigatus

<400> 18134
caaattgtag ttggactgtc ggtacagaag attggtttgt ttacgaatgc cgatgcgagt 60
aaaggtatca cgaacaagac ccagcgtctg aaggacggga gtttcgagtt ggaggcgcag 120
aagggcagca ttgattcctg tggagaaaac cagcggcctc agggcaggat tgctaggatc 180
ggcatcggta agaatagaca gggtgtccaa gaacaaagag cgcgtgtcaa gagctgctga 240

<210> 18135
<211> 684
<212> DNA

<213> A.fumigatus

<400> 18135
ggagatccca ttgctagcgg atcttccctc tccatgtctt cccacaccaa gaaagatgat 60
ttctgcctcg aatgtcactg ggaggccttt catctagatg gtaaggactc ccaggacggc 120
gcggaggcct ccgctcaacc gccagaatgg agttgtctgg acgaggacca tcatcacacc 180
tcgctggcgc attgtgctac aattgacgag gcgtgctgtg atgtggatga ctgttccgtt 240
aactgtcctt ccgtctgtga cggcttcaga gaatgtgatg aggcaactgc ttgttcttta 300
tcgcactgtg acgacaagga ttgcaaaagc acggacgcag tctgcttcga tgaacactgc 360
tttagctttg ccgaccataa cggacaagcc gccgatcata acaatctaga ctcaatgctg 420
ggactggcgc agccactgtc actggaagcc tgcggcctac ttccgtcgtc gaccatcgat 480
cagaatcaaa tgcaagtgcc atccaagcgt acagagaatg ccacatcggg ctttgtcaac 540
acatcacagt gtgcggacgc ccctgtttcc ttttccaaca acgtttcatc attgtcatcg 600
ttcatatccc cacttccagt gccatcctct gcccggagat tcacacaatc accttgggaa 660
tgtgccattt cccctgccga ataa 684

<210> 18136
<211> 1011
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1007)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18136
attccacctg gtgccggtaa accgagtaca accttgagta tatacatgat ggccaaacca 60
accatcgtcc tcatcggtac ctgcgacacc aaatgggacg aactgtgctt cacacggtcc 120
caacttctca ttcacaacac ctgcgccgtc ctactcatgg acatcggccg caccccgagc 180
ccacatcgct ccatcgccat caaacatccc gacttaacaa gcactgatac tgacactcac 240
aatgccccca aactatcgaa tctcccccgc tcagaataca tccaccggat gaccagccac 300
gccatcacgg ctctcacaaa cctccatcgc accggctcca tccacgccgt gctaggtata 360
ggcggctcct gcggcaccgc cctcgcagcc gccgccatgc gcgctgccct gcccgtcggc 420
ttccccaaac tcatggtctc gaccatggcc agcggcgatg tatcgcccta cgtcgaggag 480
acagacctaa ccctcatgta cagcgtcgtc gacgtcgcag gcacgaaccg catcctgaac 540
cgcattctaa cgaacgccgc cgcagccgcg acagggatgg ctgtgtcgta tgcgtcgcac 600
gcgcaagcac cctccgacac tagccacagc aagacacaga tagccatcac catgtttggg 660
gtaacgacgc cagcagtgaa caccattcgt gaccgtctgc agcagacgat caactgtgag 720
gtgtacgtgt tccacgcgac aggagccggc gggaaagcga tggagcggct catccgcgag 780
ggccagctcg acgccgtggt cgatctcacc acgaccgaga tcgccgatga gatcgtcggc 840
ggcgcgctct ctgcggggcc gcggcgtctc atcgcggcgg ccgaagcggg cctcccgcag 900
attgtcagcg tgggtgcctg tgacatggtc aattttgggc caagggagac ggtgccggcg 960
cggtttcgcg gtcttcacca cggggctgga agaacgagcg ctcaatnggg a 1011

<210> 18137
<211> 423
<212> DNA
<213> A.fumigatus

<400> 18137
ttctacctct ttttctgtct ctcacctatc cttgcacata aaagtagcaa aaaccaactg 60
gaagcaaaaa gaagttgcat caaaaatgcc ccgtccaaca acccgtcaag aagtgctggc 120
tcgactccgc cagaccatcg ccgagggctc aatcatcgtc ggagcaggag ctggtgcgtc 180
ccacagccat tgacctacct ccagccaaag caactgataa tacaatacgc aggaatcggg 240
ctctccgcca aattcatcga aaaaggcggc gcggatctga tcctcgtcta caattcgggc 300

cggttccgga tggccgggcg agggtcgctg gcaggcatga tgccgtactc ggatgccaac 360
caggtcgttg ttgagatggt tcgtctccta cgtacgttct gcatattgca cttacatggc 420
taa 423

<210> 18138
<211> 966
<212> DNA
<213> A.fumigatus

<400> 18138
tcagacactc tgaataacaa tgttgcggcc tttggaagga aaattcggta tcgtcactgg 60
tggctcacgg ggtatgtcga cagtctacac atctacactt caccatcaca ggctcagcta 120
gatgaaacag gcatcggcga ggcaatcgcc cggaacctcg cggcaaaagg ctgctctctc 180
ctcttgaact tcacctctga gtcctcccgc gcccgtacag aggagctctg cgcctcgctg 240
gcctcgacgc actcgatccg ctgcgtcgcc gtgcaggccg acctcctcca tgccgaagaa 300
gccgtccccc agattctagc agccgccaaa caacacttca cctcgcccga gggcaagttc 360
cagatcgacg tgctcatcaa caacgccggt gtcagcgccg accgcttcct caacgaccct 420
gtcaaggggc ccatcgaccg cgagtatttc aactggcact acagcatcaa cgtgctcgcc 480
ccgctgctgc tcactcaggc ctgcgccccg ttcctcccca ccgatcgctc cggccgcatc 540
gtcaatatct cgtccgtctc ctcgagcatt gggttcacgg gccagagcgt ctacggtggg 600
accaaggccg cgatcgaggc tatgacacgc acctgggcgc gtgagctcgc ggaccgcgcc 660
acggtcaaca cggtcaatcc cggccccgtc atcggggaca tgtattttgc gaccggggag 720
gagttctgga agcagatgca ggggttccag gatgcgacgc cattgagtaa gatggatgag 780
gatgatccgc agttgaagga gttgagcgag gagcagatct gcttgatcaa ggagaagatg 840
ggtgggcggc ggccggcgtt caccagcgag attgcggggg tggtggggat gctgtgtacg 900
gccgatggtc tgtggtgtac ggggagtgtg gtgtgtgcca atggtggtat gaaaatggga 960
ttctag 966

<210> 18139
<211> 702
<212> DNA
<213> A.fumigatus

<400> 18139
tgccgtactc ggatgccaac caggtcgttg ttgagatggt tcgtctccta cgtacgttct 60
gcatattgca cttacatggc taacaatacg tgccaggcaa acgaggtcct tcccgtagtg 120
gaacatacgc ccgtcctcgc cggcgtctgt gggacagacc ccttccgcga gatgcgctcg 180
ttcctggccc agctgcgcgg gctgggcttc atcggcgtgc agaatttccc gacggtcggc 240
ctcatcgacg ggaaattcag gcagaacctc gaggagacgg ggatgggcta cgaccgggag 300
gtggagatga tcaggctcgc gcacgagatg gacctcgtca cgacgccgta cgtctttacc 360
gtcgatgagg gggagcgcat ggcgcgcgcg ggcgccgatg tcatcgtcgt gcatgttgga 420
ctaaccacgt cggggaccat tggggcgcag acggcgctgt cgctggatga gtgtgttggt 480
gtggtccagg cgatccggga cgcggttgtc agggtgaatc ctgaggtgat tgtgctgtgt 540
catgggggcc cgttggcggg tcccgaggac gcggagtatg tgctgagtcg gacgcggggg 600
gtgcatgggt tctttggggc gagtagcatg gagaggttac cagttgagct ggcgatccag 660
gagaatgcgc aggcatttaa gcggttgaag atccgtcagt ga 702

<210> 18140
<211> 237
<212> DNA
<213> A.fumigatus

<400> 18140
tcaattgata ctaaagacaa tgacctccct ccgactcaat ccgtcaaccc tccgcttaac 60
cccccaactc accaaacctc taccctcccg tatcctccgc gcctccatca catcatctct 120
cgccctcagg cctctatccg ctcatcccct gaggcgatca ccactcgcac ctgtaccttc 180

gttcaagaga attcctccat cagcaagccc cttctcaacc ggaaaatccc aagctga 237

<210> 18141
<211> 357
<212> DNA
<213> A.fumigatus

<400> 18141
cgaaacagct acgaaaccgc caaagacgaa ttcgagatcg ctaccgacag caccgccagc 60
tccaccatct acgccgcctc ggaccgcgag tccgcccgcg atgccctgaa ccagttgctt 120
gccgtgtaca gcctctacac gaccgatatc gcggccacgg ctgagtcgca tgcaccgcag 180
gagttgcagc agggtgatga tgctgctgac gagaggggcc agttggtgaa tacggatttc 240
gatccgtcgg agatcccggc ccccgtgcgc gatgaggtgc ggagacgggt tgggcagcgg 300
gtgcgggagt tgagtaatgc ggtggaggcg ttggaggaga gggctcatgt tgaatag 357

<210> 18142
<211> 216
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (210)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18142
cttacccctg caggtcttat ctacaatccc ttgggtgcct ggcttcatga caaggtcaac 60
tcgcggcggg gtatgtacat caccggtttc gttggaatca taatcactac ttcatgcttg 120
gctgcaatga ccgccgaata tgcgggcaca acaaacaagg ccggaaacgc ctttggcatt 180
ctgttcatat atctctacct ggcgttccan gggtaa 216

<210> 18143
<211> 525
<212> DNA
<213> A.fumigatus

<400> 18143
aaacgctacg cgtgctatta tgccaaggac attggctcgt tcggctggag gttcccgctg 60
gcccttcagt gtctgccacc tcttgtgctc ctcgtcggat ctccatggct tccgcgctct 120
ccgcgttggc tcatctcaaa gggcaagcac gaggaagcca aggtcgtctt ggagcggctc 180
cgtcagtccc ccgacgaccc ggacaacctc gtcgcgaagg aggagtatta tcagactgca 240
gaacagattc gcttggaatc tgagaggctg tccgagtacg gcaatgtgtg gaaagcagtc 300
gtgaagaaga agtcgtacag aaagcgaatg gtcatcgggt tcctaactca gtggggagca 360
gaatttggtg ggcccttgat tattgttagt atcctgcttg tcaaggttga atcaagcact 420
tacaatctga cagaacaact acgcggtttt gctatactca aatctcggca tgaagggcgg 480
tatgcctttg cttctgagcg cagtgtggct gacaacagct ggtga 525

<210> 18144
<211> 297
<212> DNA
<213> A.fumigatus

<400> 18144
gatcttccca acggagatca gacccatcgg catgggattc tccctttttg ggcagtttgc 60
cggtatgttc atcccggttg tatggtccga acagcaacta acatggatgc agctaccctg 120
atcttgcttg agactgcccc tatgggcttc aacaatattg gctggaaata ctacctggtc 180

atcatctgct ggtctgcatt cttcattccc ggtaagacgg acacgcaagt gctcgacgaa 240
acttccacta atgcctccaa gttatttact tcttcttccc ggagactgca cgcttga 297

<210> 18145
<211> 384
<212> DNA
<213> A.fumigatus

<400> 18145
cacaggcaat cagacaagct atcaaaaatg aagctcaaca ctgtcctctc tctcgctccc 60
cttctcggcg ccgcaaccgc ccaaggccag cacgaacagg aaccattcac cctcaacgtc 120
cgctggtcca acagcatggg aaccctcgag ggcctcctga acgccaactc cggcgccttc 180
tggagcggca agcctaccgt ctcctcgtgc ccggagaacg tccaggactg cccagccgtc 240
aacaccacct ccttcgtctc gcagggctcg aagctgttcc tgaatgttgc tgtgcccggc 300
ggtcagcagg gtattgctcg ccttttcttt tcttttcctt tccttccccc cagtagtatt 360
ttttttttg ggcgacagcg gtag 384

<210> 18146
<211> 309
<212> DNA
<213> A.fumigatus

<400> 18146
tatcttttt gtggtacagt ctacatctcc cccgagggcc agctgaccta cacagtcccg 60
cacagcggat acatccccga cggctcgctc gccgacctcc ccatcatgaa ggacggcttc 120
ctcaacccct tcctgacgct gtggttgtgc tccgtcgaca aggacgccaa gcagtggaag 180
gtgtgggccg agtacaccaa cggcacgacg ggtgcgatca ccaacaatgg ctccaatggg 240
cagagtgcct gcacccgatt tgcgctcgag gcccagccgt acaagggaga taaggcttgg 300
gagttctga 309

<210> 18147
<211> 201
<212> DNA
<213> A.fumigatus

<400> 18147
tcgccgttga tttcggcaat actagatgcg cgttcattca atgcacgctt gagagttggg 60
gtaatgtcag ggttactgac ttctgggcaa tcgcctgtga tctatcgaat cgctcttctc 120
aaggcatcta aagcattgtt catgacaatg ggtaacgccc ctcagagttc ttttctctct 180
gcactgatcg catggaactg a 201

<210> 18148
<211> 270
<212> DNA
<213> A.fumigatus

<400> 18148
ccccaaggtt cggcatttca taaactcttt cgctttacaa ggctaaccgc agtgtttcgt 60
caggaaccca aactctggta cggaattggt atcttatatg atcgctatgg ctcccttgac 120
cacgccgagg aggctttctc tcaagtcatg cggatggctc ccgactttga gaaggccaat 180
gaaatctact tcaggctcgg catcatatac aaacaacagc aaaagttcaa ccagagctta 240
gaggtacgct catcagtctc ttatctataa 270

<210> 18149
<211> 387
<212> DNA

<213> A.fumigatus

<400> 18149
gcaacagaag gacgtaagtt gtatcgcatc ctcattcggc tgctcatata taggctgaca 60
acattacagt ttgactccgc tcaggcagcc tataggaggg tcctggaccg tgacccgaac 120
catgcaaaag tactacaaca actcggttgg ctataccatc agcaaagcaa cagctatgct 180
agtcaagaaa aggccattga atatcttgaa aaatcagtta gcgcaggtaa gacgtcagct 240
cacgtcctcg accctgagca agcgctaatc ctgccttttt ttagacaaca ccgatgcaca 300
aagctggtac cttcttggtc gttgctacat gtcgcaagcc aagtatccca aggcgtacga 360
agcatatcaa caggctgttt accgtga 387

<210> 18150
<211> 369
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (189),(333),(358)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18150
tatgaatcct gcaacaacca gattgcggat gctcttgacg cttatggccg cgccgctgat 60
cttgatccta caaatgttca catcaaggct cgtttgcaac tgctgcaaag ccagctctca 120
ggctccaatc agaacagcgc tcctgcgccc gctcctcaac ctcaggacgt tcatccacag 180
gcttaccang ctcctggtgt gggcgctcct ccagctccac agtggggagc gccagctcca 240
aatggaggcc cgcatccccc agcatccgga tcttccaagg cagatcgccg attggaatcg 300
cggcatcaac gaagtacaat ttcagaatca ggngcagccc cagccagcca acggtttnga 360
tcaccgtga 369

<210> 18151
<211> 282
<212> DNA
<213> A.fumigatus

<400> 18151
ctggccgttt ttgcaattat aggtagtctt actgaattga tgggcgatct tgatggtgcc 60
atgaatgctt atgagcaagc gcttcgccac aaccaatggt caatccctgc tatgaacgcc 120
atatcttgca tccttcggac caaggaacaa tttccaaagg cgatcgagta ccttcagaac 180
atcctcaaat tagacccgac gagtggagaa acctggggta gtttaggtat ttggaaccct 240
ttcaagatcc tgatatgttt attgtctcat cacggtgact ga 282

<210> 18152
<211> 1803
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (524),(668),(693),(950)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18152
tcctgccttt ttttagacaa caccgatgca caaagctggt accttcttgg tcgttgctac 60
atgtcgcaag ccaagtatcc caaggcgtac gaagcatatc aacaggctgt ttaccgtgat 120
ggacgtaatc cgactttctg gtgttcgatt ggtgttttgt actatcagat caaccagtat 180

cgcgatgcat tggacgctta ctctcgagca atccgcctga atccttacat ttcggaggtg 240
tggtacgatc tgggaactct ggtaagtcaa gttgcgagga gtttgtttgg ggataacacg 300
cgagagaccg aagtcgctga ccaccgctct tgtagtatga atcctgcaac aaccagattg 360
cggatgctct tgacgcttat ggccgcgccg ctgatcttga tcctacaaat gttcacatca 420
aggctcgttt gcaactgctg caaagccagc tctcaggctc caatcagaac agcgctcctg 480
cgcccgctcc tcaacctcag gacgttcatc cacaggctta ccangctcct ggtgtgggcg 540
ctcctccagc tccacagtgg ggagcgccag ctccaaatgg aggcccgcat cccccagcat 600
ccggatcttc caaggcagat cgccgattgg aatcgcggca tcaacgaagt acaatttcag 660
aatcaggngc agccccagcc agccaacggt ttngatcacc gtgaccaagt tcgtggaccc 720
gtcgtttttc agcaaccaag cccacgacaa gagccgggta gggcattccc tgatggtgtg 780
cgtgctccag cagctcgttc tccaaagact acggttacgg gctctggtgc atttgcacct 840
gcacacgcat tgccccaatt gcccaaccca ccaccgccgc cacatgatcg agctcccacc 900
ggtagtactc ctttcggttg tgatacacgc ggacccttgc cacccgctcn taattttgct 960
gcacccccca ctggcccgac tgggcctaac ggtgcccctg cttctgctgg acctctgcca 1020
ccataccctc gcccattcac cccgccgaca gagatccggc ccattcgcga ggagagacca 1080
tcatcacccg gttctaccta ccctcatcag cagtatcatc atggcccgag cgtgccaatt 1140
caggggggcca gtagcactgg catcgcaggt ggtgctcctg ctccagcttc tgcgatcact 1200
gctgccgaag ccgctgcaag agaacgtgaa gatcgcccaa cctcagcaat gaagcggggt 1260
cgggaatggg aaggggagtc cggcccttca aagaaggttg ccaatgagga aacccgcgtc 1320
cgcttggatg atcaagttgc tcgccgtgta acccctccga accgcatgcc gtcgcctggc 1380
gagatgcagc gtcgtggttc ctcggaggct cgacgcgagg atcagcgtcg cgtgaacgag 1440
agctaccacc catcagaggc tgctcaccat cctccaaccc tcccatccat tcagcacatg 1500
cctcaacacg caaccggttc gagccttcct cccatgaacg atggccctgc tccggcttcc 1560
aacgggcctc aggcaggtgc tccatcagcc caggtaaagg aagaaccggc tcgcaatgag 1620
caagttccag cccatgagcc tgctgcgcgt aagatggacg tcgatgagaa ctacgatgac 1680
gatggagatg acgagaagag aaccagcact gccgctaagg gtagtcctgc tgccggtagc 1740
aacagcaacg gggtgctgag caatggcgcc cagacttccc agtcgaaaca ggagtcggcc 1800
tga 1803

<210> 18153
<211> 4290
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1015)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18153
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tcacatgtcc agctttccaa agataccaat gttgcatccc agtactggga agagctcttt 120
cacagtgtcg gatcacaacc gcggctggca tgcgtgcctc tggaccacca atggcctcgt 180
gcggaaacga cagtactggc ctccgacggc ctgctggagg cagccacgac gttcagccgt 240
acacacaata tcagcctggc ggacttgata tacgccgtat gggctatcgt ctcggcaagg 300
caaacggtga gcggccaatc cacggccctg tttaccgtca ctggccgcag ctaccccagc 360
gccaaacaag acacgccaga gaatggaaga gccgaacagg actacccccc gcttctatcc 420
gtgcctgagg atgtcgatgt gctctcgtgg gttcgaagcg tgagcaccgc tgcagccacc 480
gcttctgccc tgtcatatat tggatatgat cggatcatgg agaggacctc ggggatgcgt 540
ccccaagtga aagtgtcagt cactttcgag gttgacagcc acgacacgat ggctccagat 600
gatgacttcc ccttggtatt caacatcatc gcctctgccc gcctgcaact cagcatgcga 660
cacaacgcta ccgtcccaag gggcgatgtt cgagcgctac tggatcgctt tgctgcaaca 720
ctacaacggg tgacagcgaa ccatgacgcc acagtctcgt cagtggatat catgccccca 780
gccgaaaggc agctactgct cgactatggc aaagcccctc tcaagccgaa aagcggtatg 840
gctcattccc tgattgagga acaagcgaaa gcccggccgg atgcagcggc agtacagtat 900
gaaacagaac ccccccctcac gttctctgcc ctgaacacac gcgcaaatca gctcgcccgc 960

cagatccgcc catatggtac caagtatatt gccgtacacc tgcgcatgtc taccngattc 1020
atcgtggcac ttctggctat tctgaaatct ggggcagcat acgtgatctt aaatcctgat 1080
gcgctggcgg ccggaaatcc gtcatcctcg aagaactcca gcctgggctg ggtcctggtc 1140
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gcatcgagcc atgatactgg tgatctcctg catgtccagg acccaagcag cgttgcatac 1260
gtgatttaca cctcggggtc tacggggaaa ccgaaaccga cactgctcga acaccaagct 1320
gtcttcaacg ggcttttggc ctttccccca attgaaggtc ttcgccagtt gctcttcttt 1380
aatccagcct tttcagcggc gcagagatcc atttgggcca ctctcgctgt cggtgggtgc 1440
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gacatcaatt cggtagatat gacttcgtct gcggccgcgt taatatcgcc ggatgatgtg 1560
ccgtcgctgc ggcgcatggt gctgggaggc gagatggtca atcccgctgt cattcagcga 1620
tgggaacatc gagtcgaact tctttcgtcg tacggcctca gtgagtgcac acagctcaac 1680
tggcgccatc gcttgcaatc caatgtcagc tcccgcttga tcgggcagcc atatgacacg 1740
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gagctatgcc tcggcggtgc tcagcttgcc agaggatatc tgcaccgccc tgacgagaca 1860
gcgaagcggt ttattccaaa cccatttggg aaaggcaaac tataccgaac gggcgatatg 1920
gctgttcgcc acgctgacgg gtcggtcgag ctgatcggga ggatcgattt ccaagtgaag 1980
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gctgccaggc tgccactgta catggttcct cagttctggg tgtccatgcc cgccttgcct 2220
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acggacagcg agaaggtcgt gcggagcctg tgggccaagg ttctgtcgct ctcggagtcg 2400
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gctgtgccta gccaccttgg ttcccagatt gccccagaaa acacggttgc tgccgaggta 3240
cactgtgacc tgaagcgcac cgcatcgcag cgcagggtca caccgggcgt tcttctgtac 3300
gccgcgtggg ccattgttct cggccttgcc aactcgaccg aggatgtggt catgggcgtg 3360
acctttttctg ggcgagatgc tcccccttgca ggggtccttc aaatgagcgg ccctactctc 3420
atggtcgctc cgctgagggt caaggtcaac aaggttacac cattggacaa gcacttggaa 3480
gatgtccagt ctaatctctg ggccgtcgcc aggaatgcgc cgtatgggct gcggaagatc 3540
ctcaaggcca gtggccaggc gaaagatctt tttgacacga tggtcaactt cttgatcaaa 3600
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gtcgaatata ccaggattga acttcgtaac gagagcttga accgcgtcac gctgacatcc 3720
acattggaac cgcgatatgc ccaggctctg gcagataccc tcgcggctat tttgggcgca 3780
gcctctgatc aaccgctgac caaacttggg gagttcagat tggtgcagcc ggtgccacga 3840
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caggccgagg accgggtaga gagtcctggt ggtgagctag ctcactcggc gctgcagaca 3960
atggccgtct ctcatccgtc ccggacagcg gtcgaggaca tctcgggagc gcggatcacg 4020
tatgccgggt tagcaatcaa aatgaaccag cttgcaggct tgttaagaga aagaggcctg 4080
gagctggagc agatcgtccc catcatgctc gaaaagtcga ttaacaccat tgtcgccatg 4140
tttggcattc tcgtcgcggg aggtgccttt ttgcccctcg gcccaaaaaa tcccccggga 4200
aagaaacttg ggaatcctcg aagactgcgg tgccaaactg gtcattgcgg atcagctgaa 4260
tgcagacttt ttccacggca cctcccatga 4290

<210> 18154
<211> 1068
<212> DNA
<213> A.fumigatus

<400> 18154
gggggtacg gaagtgcgcg ggcgttttac atcaacctgt gcgtcggcgc cgtctgtgcc 60
cccgtctacc tcttcctgct tcccaacaag gatccccgtc cgggagtcag tctgcaggag 120
cgcgccaaca ccatggacca tatcggaggt atcctcacca tcggcgccat ggtgaccgga 180
gtgatggccg tgtcgttcgg cggtgtgatg tatccatgga actcgggccg catcattggt 240
ctcttctgtt gctcgggagc cctcttcatc ctgctcggca tacagcaggt cttcacgatc 300
tacaccagcg ttgcccaccg agtggtcccc gtcgagttct tcaagagccg gacggtgttg 360
attctcttcg ccgccacggc cgccggagga accgccattt tcgtccccgt gtacatggcc 420
ccgctgtatt tccagttcac ccgcggcgac tcgaccctgg agtccggcgt ccggttgctg 480
ccgttcatca tcctgatgat cgtggctgtc atgaccaacg gcgccctcct ctccaaattc 540
ggcttgtaca tgccgtggta cctggtcgga ggcgttctgg tggttatcgg cgccgccctg 600
atgtacaccg tcggcctcac cacctcggtg gcacatgtgt acggctatac catcctcatt 660
ggggttggcg tgggtttctt tgcccaagca tcattctccg tcgcgcaagc caccgtggcc 720
ccggagctgg ttccctctgc ggtcggtttt atctcgctgg cgcagattac gggcatcacg 780
ctggccctcg ccatcgccaa cgcagtgttt ttcaacgaaa gcgtgaggtc cttgaagacg 840
atcctaccgg gagtggatcc cggccaaatt aaggatacaa tctcaggcac ccggtcggag 900
tttttccaga gtctggagcc aggcgtccgc gagcaggtac tggaggcgct tgtggacgcc 960
ctcagcaagt cttatattct ggtcatgact gctggtgcgt tggtggcggt gctcagcctc 1020
ttgatgaagc gtgagaagct gttccttgct cctcccggag ggtcttga 1068

<210> 18155
<211> 285
<212> DNA
<213> A.fumigatus

<400> 18155
gtgcgagtga agctcaacaa tgtgcctttt cagaaacagc ttctgatgat attactcgcc 60
acaggcaaca agtatcataa ggtgctgtca ggtgacaact gctgggccat tgcaaaccag 120
tatggaatat ctttggatca attctactcg tggaaccccg ctgtgaagcc gacttcatgc 180
caatctctat taccagatta ctacgtctgc gtcggtgtcg ctggtatgtt actttcccgc 240
agccactatt cacctcatct agcgatgtac ttgttatctg actga 285

<210> 18156
<211> 1551
<212> DNA
<213> A.fumigatus

<400> 18156
agatgttgtg gacaaagcat tctgattggt catattgaaa ggaatcacgt gctattgtac 60
gcatttgtca tgtttgtagc ttcatcatct tcgccttcta cagcaccagg gcataatttg 120
gggctcattc tgaaatcaga tggctgtcga atggatcgct tcatctcgag aaagcggcct 180
cggccgagtc cgtcggctgg acagcagacg ccggcccccg atgaggactc caccgatatg 240
aagttggcga tgctcctatc actctttcca gacatagaac aagatgcttt actggacatt 300
ctcatttcaa gtggcgggtc ggttgaagac gcgtctgctg tgattacagc tcaacgcgca 360
tataaacctg tcaaaaagag agcaggtggt gtaccagcga tccagacatc tatgacctca 420
catatcacaa ctgaggcagg actgccacca aaaaggcaac tcacccggaa aggaaagacg 480
ttacatcttt tttctccaga agatgttgct gctcatactc cgtgttccat catccataat 540
ttcttgcccc cagatgaagc agatgcgctg ctactggaac ttttggatga gtcgaaacac 600
ttttcaaggt acaggtttca gctgtttgat cgtacagttg aaagcccgca cacaagcagc 660
ttgtatgttg cgactcctga ggaaattcgc caacaaacat cggaatacac ctatgggggc 720

agataccgtt cgaacgttcg ccagcttacg ccgtacttgc gcgccgtctc tgccaaagtt 780
cagcgcgccg tgaacgacga ggttcagaag cgtatacgag cgtgctaccc aggtgggaaa 840
aagctcaagt atcagtcacc taaggaatgg gtgccgaatg cagcattcgt caactgctat 900
gatggtccag cagaaagtgt gggctatcac tcggatgagc tgacttacct tggtccgcga 960
gctattattg gaagcctgag tttaggcgtg gaaagagagt ttcgggtacg acgcatcgtt 1020
gcgagcgatg acgatgcaga gaacaatagt gaggtgtcat tcatggtgtc aacagcggat 1080
tctccgtcca gacggaaaac cacgtcgaaa gggatcgatg gtcgcggtga tgcacagggt 1140
caaatttcca tacaccttcc gcacaattcc ctccttgtta tgcatgccga gatgcaggaa 1200
gaatggaaac atgctattgt acccgcgcag actgtttcac cacatccctt gtcaggtaac 1260
cgccgtatca atatcaccta tcgatggtat cgggattctc tccacccgcg taacattccg 1320
cggtgccgtt gtggcacaca cgcaatcttg cgatgtgtgc aacgcaaacg tgagaacaag 1380
ggtagatata tgtggatgtg ctatgcggga catgaaccag ggaagaaagg ttgcactttt 1440
ttccagtggg ccgaatttga tgacgatggt gaacctctct gggaaatcaa gcccacggaa 1500
ggcggagctc ccacgttgcg caacttcatc gaagaagacg acaaacaatg a 1551

<210> 18157
<211> 378
<212> DNA
<213> A.fumigatus

<400> 18157
cctagagggg tacttcgaca tttcaaggga agagctggtg aactgggtaa gtgctggacc 60
acacatgtgc cggttcacaa ttctgacggc aagtttaaga acccttctct caaggagaac 120
tgtcggcttc agaatggcca ttcctactgt gttgctgcat cagatttgac gacgcggtcc 180
acagattcag ccgaagaagc gagtcgtatg gacatggcaa ctggagttga ggctgccgat 240
ctgccctctc ccacgcaggg cggtttggct gccaactgca atgctttcta caaagttaaa 300
acgggagaca gttgctggtc catcataaac gattttggta acttttcgat ctacgatttc 360
taccgctgga atccgtaa 378

<210> 18158
<211> 342
<212> DNA
<213> A.fumigatus

<400> 18158
tatcagttcg aatatctcct tcctgtgacc agtaacagca aggaatccac cacacactgt 60
atgatgtctt tactccattc tgaatggact gcgtttctcg cgcagaatcc aacagtcagc 120
catgacgacg aaagcagaaa caggcgcttc ctctcttccc cagaaggtcg cgtccttgcc 180
gaacaagtat caagtgttga cacgactgtc cctgccaggg acaatcatct gatccctatt 240
cggatttaca ctcccaaaga ccactcatct gatgcagtcg tcatattcta ccactctgga 300
ggcttcgtgc aaggctctct cgacacggaa gatagtatgt ga 342

<210> 18159
<211> 264
<212> DNA
<213> A.fumigatus

<400> 18159
cctaccctca cccacagggt aaataagctg accgaaataa aagtctcgtg caggcacatg 60
gcactaggtg gacccagcac cgtcatcagc gtcgactatc gactcagccc ggcgcatcag 120
tatcctatcc ctctcaacga tggatgggat tcatttgaat acataataac caaccttccc 180
acccttctgc cgaagcacgg cgcttcggca agggtggtga tcagtgggac gtcatcgggc 240
ggacagatcg ccgccattgt ctcg 264

<210> 18160
<211> 576

<212> DNA
<213> A.fumigatus

<400> 18160
gctgacgccg aatggcatcg tacctgccaa atggtatgtc tcattgtcga ctattcacag 60
ccggaactca acattgacaa ggtgatcagg tttactacac aggattctct ttacgatcta 120
gcctggtccg aaatccacga gaatcagatc ctcacagcct ccggcgatgg cagcattaag 180
ctctttgatt gcaatttgga agacttccct gtccagaatt ggaaagaaca taatcgcgag 240
gtcttcagtg tccactggaa tctcgtagcc aaggacacat tctgctccag cagttgggac 300
ggcaccgtcc gcgtctggtc gccgcatcgg ccgcattctc ttctcaccct ccccacacac 360
agctgcacct actcggcggc attttcgcct cattctcccg atatactctc ctgcgtcacc 420
tccgactcat acgtccgcat cttcgatctt cgcacacccg cttcagcatc taaccacctc 480
accctccaga ttcccatcca cgccgcaccg gcatcgccga ttcctggtaa agcgtcttca 540
ccgcccgggg ctggaagcaa acgcgctacg gctaag 576

<210> 18161
<211> 279
<212> DNA
<213> A.fumigatus

<400> 18161
ccggtccttt cttcggttta ttttaattgt tctttccaga ccctataccc ggtattttgc 60
actatgcttc atttccgcac cgagggctac aacggctgtg cggtcaagta ctccccattc 120
ttcgacaacc ggttggccgt cgccgcatct gccaattttg gactggtagg aaatggccgg 180
cttttcatcc ttgagctgac gccgaatggc atcgtacctg ccaaatggta tgtctcattg 240
tcgactattc acagccggaa ctcaacattg acaaggtga 279

<210> 18162
<211> 342
<212> DNA
<213> A.fumigatus

<400> 18162
aggtcagaaa aggtccactc acgtacctac tgtatctctg cctcaggtta ctttctaggc 60
ctcagatctc tctttttcgc ctgtgcatct cagccctgga tcagggacag cttctcttat 120
tttcttacct ttctagctga aaacaacgca tgcgacatcg cctttctttt tatcctcgac 180
tccgccatta tcattattta cattcagctt cattcatcat atcctccaat caggaggaat 240
caggaacttg gtgtgattcc agaagaacct aaactccctg cagtctggtt ttcagcgccc 300
atcccaccac caacgccgcc accctcatca catccgtctt ga 342

<210> 18163
<211> 555
<212> DNA
<213> A.fumigatus

<400> 18163
gcattagtga ctaataccct gtgtagtgca catgagatgg agaagcaata ttcttgccag 60
ttctgcaata atcggttcaa gaataagaac gaggctgaac gtcatcagaa ctctcttcac 120
ttgcggcgtc attcctggtc gtgcgccgcc ttgccaggat atcaagccgc gttccaccct 180
tcgacttccc caacagcgca aacaaattcg ggtccttctc acgatgcttg tggctactgc 240
ggcgaggagt ttccaaactt tccgcagccc gattgggatc gcaggtttga acatcttact 300
tcagtgcaca agttcggtga gtgcaacaac ggaaagaaat tctatcgtgc ggatcatttt 360
cgacagcatc tgaagcacag ccacgccggt acaagtggta aatggaccaa cgtcttggaa 420
aacgcgtgca tgaaggaaga agcgcctccg gaactcaaag acaccacacg cagcagtgga 480
gctggctctg ctgcgccaga aacgacgggg tcgctcacgt caaataagat tagtgaggtt 540
ctgagcccgt gttga 555

<210> 18164
<211> 1656
<212> DNA
<213> A.fumigatus

<400> 18164
ttacgctgga ccatggactt tccgcgactc tccccaccat tgataaatgt gcatgagatc 60
aatagtggtg ggtatgacca atctcactct accgacggat cgccaaaaaa catgtctgga 120
cagtcctact caccctcag gccgatgcct ataccggtaa aatcaataac taactttgct 180
ccgccgccac ttcctccacc gacgcatatc actgacctcg aagatggcca tgatgccggt 240
tggctctttg cgaacgccag aaatcatcct gggtcggcga aacttgcgcc aatcaatccc 300
ggttctagcc tgtttggagg ccatcgtcgt ttggaatctg tatgcaagac tgatcgaatg 360
gcgttggatg aactggacgg aagacagagc ggcttgcctg tctcgacaag tccgaaggcg 420
catataaaga tagaacctcc gccagcgatg gaagaaggat ttcgcaattc cattaccatc 480
aatgcacccg gctccatatt gaagggcgag cgagattttt ccagacgaag cgtaaaggat 540
tcgtcagacg cgtacgacca acatctgctt tccaagatcg gcaaaccgct ctctccccga 600
caatcaatca gccttggcaa cgagaccaag gcctcactgt cgacgctgcc cattcctccg 660
agaaattttg gtgggttgcc atctcctggg gtttccgatg gaccaacgct cgacgtgcgg 720
tggccaagca actctcaatc tggcgcaatc tctcctggta ccaaggtcgg ttggagagat 780
tatctcggcc accgaagccc cagtgttgag agtagcgccc cttcttcagc ggtggagtac 840
gaccactcgg cctttctgcg tgacgtatat cggcgccggg gaggtggtac aacgccacaa 900
agtgaagaaa ctctaagctt gccgagtcga tcaaaccgcg gaagttatga ccaaggcgtt 960
ttctcggata tcgaaggtga tttttccacc gatgagtcgt tgccctcacg atatttcaac 1020
ctccgtgaag caacgccacc ctatttggat gcttcgaagt caggtactaa aagaagagcc 1080
tcctcaccac cgcgcgagcc agtgcaagac gatagacatg cgccccatgt taccacatgc 1140
aatggcgatc tttctcagcg aagaacatct ggacatccgt atgccaacac cctttcggtc 1200
aatggtggct atatacaaag ccatggaact ctgtctgccg catcatcatt aagtttgagg 1260
acttcaggga cgtattcgtc agcggccatg tccatcggag gaagcagtat gacgagcatg 1320
tcgacatttg atcgtccttc ccccgggggg ctgtcgccaa gttcggattt cgacgccctc 1380
aatgacagac cgccaatcag ttcaacttct cccggaggac tacctagtca tcaaagtgtg 1440
aggaacgcac aagtccctga cgcatcagag ctacgaaacg cggatagcac gacaaaattg 1500
tctttgcaga ctacccttaa tgtgccaaaa tcagctgcgc ctaagatggc tggactgtat 1560
atctgtgact gttgtccgaa gaaacctaaa aagttcgaca gtcctgctga actacggtat 1620
gatttgacca ttctatctgc tgtgactgag cattag 1656

<210> 18165
<211> 186
<212> DNA
<213> A.fumigatus

<400> 18165
tatctgctgc tttataggta cgtcctcggc catgaggcta tgaagcgaat gagttcttca 60
aatgttcttg ttgtcggtat gaagggtctt ggtgtggaga tcggtaagca caatatctgg 120
tttgccaagt acggtcaacg actgacgagc tctttcagcc aagaacgttg cccttgctgg 180
ggttaa 186

<210> 18166
<211> 246
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (196),(228)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18166
cgagctcttt cagccaagaa cgttgccctt gctggggtta agtccctcac gctatacgat 60
cctgccccag tcgttatctc cgacctatcc tcacagttct tccttcaacc acaagatgtc 120
gggaaaccaa gggccgaggt aacagctccg agggtcgcag agctgaactc gtacgtgcct 180
ggtactgttg gacctnttct ccacgatgga ccagagacgc gatattgntt atgggtgccc 240
aaggga 246

<210> 18167
<211> 186
<212> DNA
<213> A.fumigatus

<400> 18167
agaataaagc tcggcccatg tgtgtgccag agcatgtaca acatccccat ctttgacgac 60
aagcccttca agctccgttt gcgctctgac ccggccagcg aggagctccg gtattcgatg 120
tcgctcactc aatctggcat cagcatgaga cacaagcgca gtagcgaatt ctccgcgccc 180
cagtag 186

<210> 18168
<211> 2412
<212> DNA
<213> A.fumigatus

<400> 18168
tggactccag gcagaatgct ccacgagatc ctactctcac tctcaggcca accgtcccct 60
ctcttcgctt tcaatacaga agaagatatc gtccctgagg atgcttttcc actgtcccct 120
ccggagaaag ccctcctcac atcgctcgcc cgtttgagta gactccatgc caaacttcga 180
gaacagacgt ctctaatatc atcttcacat ccttcgatca tctgccgtgc tgtttcctca 240
gctataaacg cacatcatct aggaggtttt cagaggaaga ttttggaagt cgagaaggca 300
atcttggccg aggatagtgc atatgttggc ggttatggca tcgtaccgtt gtcaaccatc 360
gttggggagt tttcgccttg gacgaggcga ttagaatggc tttgggatgt tacccgcttc 420
gttcttcccg aaaacaggac tagtagtgca catggttgta caggctccgc cctgattgat 480
tatcttcgaa cagaatccca aacaggctat cttgacctcg aagaaatcgc gctgcacctg 540
atcactgtgg ccgaatccgc gtggataagg cagctatcga cgtggctact gtatggaaat 600
ctgccgatct ttgggaagga cgacttttc attcagaagg ataactcgag ccaaatggat 660
gattcgtcat ccatcacgaa ttttgtaatg cagacaagcc tactcccaaa gtttgtttca 720
ttgcacacgg cgtcgtcaat cttatttatc gggaagactt tgagtcatat cacggcgaag 780
cggaaaggtg ccacaatggg atttgattct ggggcaccgc cagtaactct tcagggagag 840
catattgcgc acctcgcgtc gttgggatcc ccaatatcag cctcaaaact atccaacgcg 900
gtagattcta tccgcttgtc cttgtcacaa agtgttcttt cgaagctact gccgttaccc 960
aagatcctcg agattctttc tgtgctgcat gattttcttc tactggggcg cggagaattc 1020
gctactgcgc ttgtgtctca tgctgatgcc agattgagtg agcgacatcg aataccggag 1080
ctcctcgctg gccgggtcag agcgcaaacg gagcttgaag ggcttgtcgt caaagatggg 1140
gatgttgtac atgctctggc acacacatgg gccgagcttt attctttaca aaatgaggaa 1200
gaccctgtgg atgaatctct tgatcttgcc cgagaccttg ttcgcttatc catcactgac 1260
agtaagaata gacatacagt tgcaacgcac tcagacgaga ttggaagtga tttagtagcg 1320
gagctctcgg acgtctcatt tgaggaccta ctttttccaa cgcgaacttc catctcggtt 1380
gaagtacgtg cgccccttga cctgtttcta tcgacgtccg atatcgctgt gtactcaagg 1440
attcattcat atctattggg aattcgacgt gcgcaaatac gaataaatga tctctggaag 1500
cactcttttc ttcgaaaaag ttatccttct ccatggggcc caccacgaag caacactccc 1560
tttggacaga gtaagcttaa gctgggaagg cagagagaca atatccggct tagtcaaatg 1620
agaccagtat gggcaacgag tagtgctgcg ctcttcgtct tatcagaaat tggtagtttt 1680
ttccagggtg aagttgtcaa tggttgctgg cagcattttc gtgagtggat tcaaggtgga 1740
ctggccactg ccacgtcctc gacgagctct cgacctgaaa catctgcgtc tttgaaaagc 1800
aggtatagcg acagtccgat tgagggcaga gtgggtatcg atcagtcaag tcactctgcg 1860

ccgcaacgac tcgatcccga aactttgaca gtcgcccatc atcgctatct attttccctt 1920
gttcagtcac tgtttttgac agataaacca tttaccgagg cccttcgctc gctgcttagc 1980
ttgattgatc attttatcgc acttattatt cgcctagaaa gtgtccagaa gaatatggac 2040
ttggaaacag acgaaggtgt ggtagacgcc ttggccgact accccaggga ggagacagaa 2100
ttattggaag cattaaggac cgcgcggatg gaggtcgaaa agggaatcag ggacgtcgtg 2160
gctcgcctgc gagacattga tgacagtcga tcgggagagg gacgaaagat gcttgatctt 2220
ttaaagcatg cccgcgctac tccgctcgct gacagaaaga atggcagcgg cgtgaacgct 2280
caaatttgcc aatacttgcc gcgaaaaaca gctggagttg atcaacttct catgaagctg 2340
gactttgggc atgccaatgg aagcctcgga actacagctc ctgtgttagg cgactccttt 2400
gatttggagt ag 2412

<210> 18169
<211> 1011
<212> DNA
<213> A.fumigatus

<400> 18169
tcagctattt ggatcgaagc atctctcccc tccatcccac aatgcaaccc agtagaaatg 60
aaccaatcgc cattatacgc atgggctgcc gtttcccagg tgaagccagc tccccctcca 120
aactctggga cctcctccac aacccgcgcg atgtcgcccg tgacatcccc attcaacctc 180
gaccgcttct accacccaac cggcagccat cacggtacca ccaacatccg ccaggcctac 240
ctcctttccg aagacgtgcg cgcgttcgat gcaaaattct tctccgtccc cccaggtgac 300
gcagaggcca tcgacccgca gcagcgcctg ctcctcgaag tcacttacga ggccctcgaa 360
tcctcaggcc atacgctggc cgacctgtcc aactcgaata cgggagcctt cgtcggcctc 420
atgtcccagg actacttcgc gcttaatggc caggatgtgg actccgtccc cacttacgct 480
gcgtctggta cggcggcgag taatgcttcc agccgactct cttacttttt caactggcat 540
ggcccgtcca tggcaataga taccgcctgc tcatctaatc tcgtcgctgt gaatgaggca 600
gtccaagccc ttcgaaacgg cacgagccgc gtcgctgtag cttgtgggac aaacttgtgt 660
ttgtcggcgt tcacgtttat cacattaagt aagctcagta tgttgtcacc gacctctcga 720
tgtcacatgt gggacgccga cgcagatggc tacgcccgag gtgagggtgt tgcttgcgtt 780
gttttgaaaa ccctcagcga tgcgatttca gacagggacc ctatcgaagc cgtgactcgg 840
gaagtgggcg tgaatcacga tggcaggacg aaggggttga caatgccaag tgctaaggcc 900
caggcggcgc taattcgaaa cacttatgcc cgcgctgggc tggatccaac gaaggaggct 960
gatcggtgtc agtatttcga agcgcatggc acgggaacga aagctgggta g 1011

<210> 18170
<211> 306
<212> DNA
<213> A.fumigatus

<400> 18170
gtggccccat tttgggaccc tcaagaagcc gaagccctga tgagagcgtt ttttccacag 60
tctgactccg aaggcgaact cttcgtcggg tctatcaaag ccgtgatcgg ccacaccgaa 120
ggcacagcgg gactggcagg tcttatgaag gcttgtcttg ctcttcgcaa tgcaaccttc 180
ccccccaatt tactctttaa taaattaaac cctgaccttg aactgttcac aagtcatctc 240
cgtgttccca cggccaacca accttggcct gaattgtcag atggtacaac tcgcaggcta 300
ggttag 306

<210> 18171
<211> 957
<212> DNA
<213> A.fumigatus

<400> 18171
ggcttccatc tctcggtcag tccggagcag cgcgaggccc ttccatggta tcggcaggct 60
ttgctgaaga acgctgagct gttattacac cttgtcaatg acgggaaaca tccgtttgcc 120

ccgcagaatt gggtgagtga taccagagag gatatattca agatgatgga cagctatccc 180
acgacagacg ccgatttcaa cctgaccaag gccgtcggcg aacatcttct tctgccttcg 240
gtgctgaatg gagatacaag catcctacaa tacatgacca aggataacta ccttgagcgg 300
tactacgtag atgccattgg attccagctg cttaacttct tgattgccgg ggtgatggaa 360
ccgctttgct tgaagtctcc ccgaatgaac ttccttgaag tcggagccgg aactggaggc 420
gcgaccaagg cgatcctgga gaagatcggt tactcctatg cgtcttatac atataccgac 480
atttccagtg ccttctttga ccatgatgcg ggccactttc aatcccacgc cagcaagatg 540
attttcaagg ccttggatat cacaaaggac cccgccggac aaggcttcat cccgcagagc 600
tatgatgtta tcgttgcctc caatgttttg cacgcgaccg agtcattgag atccgccctt 660
gaacatacac gaaggctctt gcgtcctggt ggttatcttg tgatggttga gatcatccgc 720
aacgacgtaa tgcgccatgg tctcgtcatg ggcggccttc caggctggtg ggtcggtgag 780
aacgatggcc gttacggagg cccgagtatt actcttgatc aatggcataa aatgcttcga 840
gagaccggct ttagtggtat cgagactaat tcgcccatga gggacccagt cggcgtgccc 900
ggatcgatta tcgtttctcg ggctaatggg ctgaaactga tctcgtcacc cagttga 957

<210> 18172
<211> 396
<212> DNA
<213> A.fumigatus

<400> 18172
catccccatt caacctcgac cgcttctacc acccaaccgg cagccatcac ggtaccacca 60
acatccgcca ggcctacctc ctttccgaag acgtgcgcgc gttcgatgca aaattcttct 120
ccgtcccccc aggtgacgca gaggccatcg acccgcagca gcgcctgctc ctcgaagtca 180
cttacgaggc cctcgaatcc tcaggccata cgctggccga cctgtccaac tcgaatacgg 240
gagccttcgt cggcctcatg tcccaggact acttcgcgct taatggccag gatgtggact 300
ccgtccccac ttacgctgcg tctggtacgg cggcgagtaa tgcttccagc cgactctctt 360
acttttcaa ctggcatggc ccgtccatgg caatag 396

<210> 18173
<211> 558
<212> DNA
<213> A.fumigatus

<400> 18173
ttgtgtgaca atagtgtcaa cagctttggc cttggaggta ccaacgctca ctgcattctt 60
gaaacataca atccaccaac agccagtgac ccagtcattg aaatagacat ggccgcatca 120
ggaacatgct gtattccatc tgtattctct gcagcatctg atagatcatt ggcgacactc 180
ttgcagtcga cactaaaatt catggacgaa aataccgacg ttaacatgag tggactggca 240
tataacttga gcaccaagcg atctgccctg cagcgaagag ttgcagtctc cgctacatcg 300
atcgacgaac ttcgcgacaa gatcaagtcc acgatagaag ccgcgtcaga gaatgacgcc 360
actttgcact ccacttctgc tttacccgaa cctgcttcat tgcttgggat tttcaccggc 420
cagggcgctc agtggcaagg catggggtcc cagctgatat cgtcgatccc gttagcccga 480
agaaccgtcg aagagctgga ttcatctctc gcaagcttac atcctacca ccgcttatcc 540
tggaccctag aagattga 558

<210> 18174
<211> 552
<212> DNA
<213> A.fumigatus

<400> 18174
gacccccctt ttatgaaccc ccgtcgacct tccagccccg tggtgaagac tcttgtcgtt 60
acggctccca gccggccttg gccatgctct ggcaacatct gttcgcgcac ggcgtactta 120
ccgctagtga ttttgtatct tagcataacc agccgctttg atagcattgc tgtattatgc 180
tgtatatata atgtgagaat tgtagagaag tggtttgaca gtcaggacac aggatttcac 240

tcaattttgt tgatcagcta tttggatcga agcatctctc ccctccatcc cacaatgcaa 300
cccagtagaa atgaaccaat cgccattata cgcatgggct gccgtttccc aggtgaagcc 360
agctcccccc ccaaactctg ggacctcctc cacaacccgc gcgatgtcgc ccgtgacatc 420
cccattcaac ctcgaccgct tctaccaccc aaccggcagc catcacggta ccaccaacat 480
ccgccaggcc tacctccttt ccgaagacgt gcgcgcgttc gatgcaaaat tcttctccgt 540
ccccccaggt ga 552

<210> 18175
<211> 1125
<212> DNA
<213> A.fumigatus

<400> 18175
aagattgaca gcactacccc cgtcggtaaa gcctctcttt cgcagcctct ctgcacggct 60
gtccaagtta tcctggttga catgctccgc gctgcgggag tcaagttcca ggccgttgtt 120
ggacattcct ctggagagat tgctgctgcc tatgcggcag gctttatatc tgcatgggac 180
gctatccgca ttgcggacta ccggggattc tacgctgaaa tggcggcagc gcctggtggg 240
gaaaagggcg caatgctggc tgccggcacc tcctttgagg atgctagcga cctttgccag 300
cttgatgact ttgccgggag gatctgcgtg gctgctcata actctcctag cagcgtgact 360
ctgtcgggtg atatcgacgc tatagccttg gcacggaggg tgcttgaaga agaggagaaa 420
tttgcccggc gattaaaggt cgacacggca tatcactcga cacacatgca taaatgctct 480
gtaccttacc ttacggcatt gagaaactgc aacatacaag tgcagcagcc cgggcccgat 540
gcaccgcagt ggtttagtag tgtccgaaac ggtcaggtca tcagcagcat ggaaagcttg 600
gacagtcaat actgggtcga taacatggta cagcccgagc tattctgccc agctgtccaa 660
acatgcttga agtatgtgga caaagccatc aactgcgttg tagaggtggg accgcatcct 720
gctttgcagg gacctgcgaa ggattctatt cttgccgctg tggatcagga gatcccatat 780
agtagcacct tgaaccgtgg aaagagcagt acggtggcat tttccgacac ccttagattc 840
ctttggtgtc tgtttggctc tgctgatgag acgctcagag cgttccagca aacaaattac 900
ccgcatactc cgactacaat gacccgcggt cttccaacat acccatggag tcatgacagg 960
gggtactttg ccgaatcaag actcatcaag acctttcaca accacccgtt gcccttccat 1020
gacttactag gaatccagac ggcagatgga gcaagggagg aatgggggtg gcggaatatc 1080
ctgaagatga acgaactcaa gtggctgtcg gaacactcgg tataa 1125

<210> 18176
<211> 621
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (116)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18176
ggccaagtcg tctttcccgc aacagcttac atttgtcttg ccatggaagc agcgctgcaa 60
ctggcccaag ggagaccagt gaaatcgatc gatctcttcg atcttgaaat ccacanagct 120
atcgccagcc atgactccac aggcaccgag ctccttacat ccatgaccaa ggtgtctgcc 180
ctcgacaccg agtgggaaga aataaccgct gacttctcag cctactccac tataagcaaa 240
gacgctgcca accttgggct gaactgctgc ggtcgtgtgc gtgtgcttct aggagagggc 300
gaggactcgc cttcccactt ctcacctaga cttcccccac tcggaaaact gaccgcagta 360
gacgtggata gcttctacaa gatcctgcgc gatgacttcg gattcggata cgagggcccc 420
ttccgcgcgc tcacgaatat gtcccgcaaa accggcttcg caacaggcac agttcggtgc 480
gagaggttcg acgactctga aacgtctctg ctcttccatc ccggtatgct ggatagtgcc 540
ttgcagggtc tgaacgctgc ccatagcgcc ccaggagatg accggctctg gacgatcgtg 600
gctccgacct tctgtcgttg a 621

<210> 18177
<211> 243
<212> DNA
<213> A.fumigatus

<400> 18177
cgagaggatc aatatgttcc ggtctctgtt gagccggtta cgcaacgtgg tgatctgttc 60
cgtcctgatc gcacctactg gctagctggt ctgaccggag acactggacg atcactggcg 120
gacttcatga ttgcccacaa tgctcgcaat attgtgctaa gcagccgtac gcccaccgtc 180
tacgaggact gggtagagtg gcacaagtca agaggtgttt cagtgaggta tttcggaggg 240
taa 243

<210> 18178
<211> 477
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (334)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18178
gcaaaagtac tcgtccgctt gaaacttatc atcgcttacc agcctttctt acttagggat 60
atcaccagct ttcagtccgt gaaacagatc catgacgcta tcaaggagtc catgccgccc 120
attggcggcg ttgcaaatgg cgccatggtg ctgcgagaca gttccttcat gaaagtgagc 180
tttgacgatt tccaagcggt cttaggtccc aaagttaaag gcacaatcaa tattgaccgg 240
ctcttctccg atcccaacca actgctcgac tggttcattg ggttcagttc agttgccggc 300
actgtcggca acccaggaca atcggggtac acanctggaa gttgtttcat caaggcactt 360
gtcgaccggc ggcgtaagca acgcctggct ggatcagtca ttgacatcac tccattggtg 420
gggttgggct tcatcgaacg tgaaagccat ggccgtctga acaaaggacc cctatag 477

<210> 18179
<211> 966
<212> DNA
<213> A.fumigatus

<400> 18179
tacttgactg ttaactatcg ttcaatggtc gaacttaggt cactgtgtgt gtactgtgtg 60
tgtactgtgt gtgtactgtg tgtaggtagg tacataggaa aactcttttg tctatctatc 120
cagatacccc gtctcttccc aatccccatc gacccacctc ccgcatcgcc tgatctcctc 180
cctcgaccag ccggccgtct gcattggatt cattcgcact gccaagcgct ccggcgacgc 240
actcccatcc gctgcgtccg ccccccccacc gcagcacctc gttcttgtac cgctcgcccg 300
ccgcgcggtc gaccgcgtgg cggcccgccc caaacacatc gacccagagt ttgttggcga 360
tcgcccgatc gaagatgtag ctgtagtacg tggccccgta gccgtagaga tgcccgaaaa 420
acccttgcca ggacgtcggc ggcgtcgtcg catccgcggg ctccggcagg ctcgagtgct 480
gctgcgagac ctgctggtag agggcggtgc tgtcgatgcg gccgccgtcc gccggccgcg 540
agtggtacgc ctggtcgacc agcgccatca ggatctgcgc ctcgttctcg accgcgccgt 600
agatcgaccc gtgggccgtg cggtcgcgct ccatgctccg aatcatccct tccgacagcg 660
gctcgtctgt ccgccagtgc cgtgcgtaca gcgccagcac cgacggcgcc gtcgcgaagt 720
gctccatcag caccgacggc agctccgcaa agtccgtggc gcaccgcgtc cccgagatcg 780
attgcagtcg ggtctggccc aggatcgagt gcaccgcgtg gcccatctcg tggaacagcg 840
tgcgcacgct gtgctcgctc agcagcgacg gccggccccc gccgttcgtc ccgggctccg 900
ggaaatcgca caccagcgcg atcgtcggca gctgccgcag cgtctgggtc acgtcttcac 960
ccacgg 966

<210> 18180
<211> 441
<212> DNA
<213> A.fumigatus

<400> 18180
caccaccctc gcggaggtcc aggagcagct tgcgcatgcc cgtgctgcga tgcaggacac 60
ctctttgatc gatggtctga gggcgacggt ggccgatctc gagcagaagc tgatggacgc 120
ggacatggcc gtggctgcca aggaagcgct ggctcaccag cacagcaccg cgctgaccca 180
gctggaggcg gagaagaagg agttggaggc ccgctatgcg gcggtgagca gccaagtgga 240
cgagttgacc aagtcggctg ctgcgtccga gagcatcaag acggagctgg agcgggtcct 300
gaaccagctg tctgcatcgc gagaggaagt gtcgcagctg caggccagcc acgaagcggt 360
caatggcgag ctggagcagt tcaagtcaca gacgcgggcg atggaggaaa aactggcgca 420
gggcgagaag gacctgaatg a 441

<210> 18181
<211> 2481
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (33),(267)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18181
tttttggggg gggggggaga aaaaaagggg ganaaaaaaa aaaaaaaaaa aatttttttt 60
tttttggggg ggaaaaaaaa accacccccc aaaaaagggg ggggctcccg ggggcccccc 120
cccccaaaaa aaaaaaaaag gggggggaaaa aaaacccccc ccaaaggggg ggggaaaaaa 180
agggggggggg ttttttttttt tccccggggt ttttttgggc cccgggggggg gggccctttt 240
tgggagaaaa aaggggggaaa agggggnaac cgcgggggggg gccccccccc aaaaaagggg 300
cccccaaaaa aattttcccc ccccaaattt tttctttttc ccccccgggg gggccccaaa 360
aacttttttgg gggggggggga aaaaaaaaag gggaaaaagg ggaaaaaaag gggggtttcc 420
cggcccgatc tagcggccaa acttgcccaa gctgaatccg ccaggagcca aagcagtgag 480
gagactagtc ttcggcttgc cgagaaggac aaggaagttg ctgagctcaa gcaagctgtt 540
gcaaagtcac aggaggagct tcaggcggcc cgggaggctg ctgccaagga attgagtgag 600
aagattgctg agttagaggc tgctcacgag gccgcggtcg ccaagctcaa ggctgaacac 660
gaggggctc tggcctcggc cgccgctgcc cacgcccagg aattgagtgt tgcgaagcag 720
gcggctgaat ctgccggttc catgcactct gaggagcttc agaagctgcg cgaggaattg 780
gatgctgccg aagccgcagc ggaaaaaggc agggaagagg ccatcagtga gctcaacgcg 840
gcacatcaag ccgaattgaa agcccttcaa gacaagctga acgcatcgga gcaggcgctg 900
ggtgaagctc ggcaagcgct ggaagctagc gtcagctcag cccaggccgt tgccgtccaa 960
gagatcgagt cgctcaagga gaaggtcggc gccttggagg cgcagctgtc gaccggacag 1020
ggcgagatcc agtctctggt tgaggaggtc cagagcaaac aggcagaagc ggaagccttg 1080
caccagaacc tcactgactt tgaaacccag ctcaaggcta aggacgccga gaaggatgag 1140
cagctgaggg atctgaaaga gaaggcggct gcttcggaaa aggctcttga ggagcaactc 1200
caggaggcgg ttgccgtggc cgagagacac gcacaagcct tggaggcgct gaaggcggag 1260
catgctgcgg cgctcgaaaa ggccaagagc gaggcggctg ggtctcatga gagtgcgctg 1320
agcgcgctcc aggccaagca tgatgagctg ctcgcagcta accgggatct ggaaacggct 1380
cacgctcaaa aggttgcaaa gctagaggcg gaactgcaga gcacgttgga acgccatgct 1440
ggcgagatca gctcacagac ggagctgcgc gagaaggaaa ttgcggatct ccggaaggac 1500
tttgaagaga ccaaggccaa gctccttgcg gagctcgaag catcgcaggc atccaaggct 1560
gccgaagctg atgccgagca cagcaaggcg attgaacagc tgctcactct ccaggaagag 1620
aagctgtcca gcctccggtc cgaactcgaa tcctcccaca aggccaagtt ggatgagctg 1680
cagaagttgc atgacaccac cctcgcggag gtccaggagc agcttgcgca tgcccgtgct 1740
gcgatgcagg acacctcttt gatcgatggt ctgagggcga cggtggccga tctcgagcag 1800

aagctgatgg acgcggacat ggccgtggct gccaaggaag cgctggctca ccagcacagc 1860
accgcgctga cccagctgga ggcggagaag aaggagttgg aggcccgcta tgcggcggtg 1920
agcagccaag tggacgagtt gaccaagtcg gctgctgcgt ccgagagcat caagacggag 1980
ctggagcggg tcctgaacca gctgtctgca tcgcgagagg aagtgtcgca gctgcaggcc 2040
agccacgaag cggtcaatgg cgagctggag cagttcaagt cacagacgcg ggcgatggag 2100
gaaaaactgg cgcagggcga gaaggacctg aatgaccaga tcgagcgcaa cttatcgctg 2160
ctgaaccagc tgggcgacgt ggactcgacc atttcggcca accgtaagcg cgtgcgtgaa 2220
ctggaggccg aactggcagc gctcaaggcg gacaaggaca gcggcaaagg cagcgttggc 2280
ctggaaggaa gccgatgggc gggggaagat ggggcgaacc caaacaacaa aagtgaagag 2340
agtggtccga cagccgctgc ggaaggtgag gaccttggat catccataga gggaacggtg 2400
ggagacccgt tgtttactcg gggcatccac ccggggtgtc cgttccccgt gtttgacgtg 2460
atactaatgc ggtggaccta g 2481

<210> 18182
<211> 366
<212> DNA
<213> A.fumigatus

<400> 18182
atcgacccgt gggccgtgcg gtcgcgctcc atgctccgaa tcatcccttc cgacagcggc 60
tcgtctgtcc gccagtgccg tgcgtacagc gccagcaccg acggcgccgt cgcgaagtgc 120
tccatcagca ccgacggcag ctccgcaaag tccgtggcgc accgcgtccc cgagatcgat 180
tgcagtcggg tctggcccag gatcgagtgc accgcgtggc ccatctcgtg gaacagcgtg 240
cgcacgctgt gctcgctcag cagcgacggc cggcccccgc cgttcgtccc gggctccggg 300
aaatcgcaca ccagcgcgat cgtcggcagc tgccgcagcg tctgggtcac gtcttcaccc 360
acgggg 366

<210> 18183
<211> 456
<212> DNA
<213> A.fumigatus

<400> 18183
tggcgctggt cgaccaggcg taccactcgc ggccggcgga cggcggccgc atcgacagca 60
ccgccctcta ccagcaggtc tcgcagcagc actcgagcct gccggagccc gcggatgcga 120
cgacgccgcc gacgtcctgg caagggtttt tcgggcatct ctacggctac ggggccacgt 180
actacagcta catcttcgat cgggcgatcg ccaacaaact ctgggtcgat gtgtttgggg 240
cgggccgcca cgcggtcgac cgcgcggcgg gcgagcggta caagaacgag gtgctgcggt 300
ggggggggcgg acgcagcgga tgggagtgcg tcgccggagc gcttggcagt gcgaatgaat 360
ccaatgcaga cggccggctg gtcgagggag gagatcaggc gatgcgggag gtgggtcgat 420
ggggattggg aagagacggg gtatctggat agatag 456

<210> 18184
<211> 240
<212> DNA
<213> A.fumigatus

<400> 18184
ctgcgagcag ctcatcatgc ttggcctgga gcgcgctcag cgcactctca tgagacccag 60
ccgcctcgct cttggccttt tcgagcgccg cagcatgctc cgccttcagc gcctccaagg 120
cttgtgcgtg tctctcggcc acggcaaccg cctcctggag ttgctcctca agagcctttt 180
ccgaagcagc cgccttctct ttcagatccc tcagctgctc atccttctcg gcgtccttag 240

<210> 18185
<211> 747
<212> DNA

<213> A.fumigatus

<400> 18185
agacgtgacc cagacgctgc ggcagctgcc gacgatcgcg ctggtgtgcg atttcccgga 60
gcccgggacg aacggcgggg gccggccgtc gctgctgagc gagcacagcg tgcgcacgct 120
gttccacgag atgggccacg cggtgcactc gatcctgggc cagacccgac tgcaatcgat 180
ctcggggacg cggtgcgcca cggactttgc ggagctgccg tcggtgctga tggagcactt 240
cgcgacggcg ccgtcggtgc tggcgctgta cgcacggcac tggcggacag acgagccgct 300
gtcggaaggg atgattcgga gcatggagcg cgaccgcacg gcccacgggt cgatctacgg 360
cgcggtcgag aacgaggcgc agatcctgat ggcgctggtc gaccaggcgt accactcgcg 420
gccggcggac ggcggccgca tcgacagcac cgccctctac cagcaggtct cgcagcagca 480
ctcgagcctg ccggagcccg cggatgcgac gacgccgccg acgtcctggc aagggttttt 540
cgggcatctc tacggctacg gggccacgta ctacagctac atcttcgatc gggcgatcgc 600
caacaaactc tgggtcgatg tgtttggggc gggccgccac gcggtcgacc gcgcggcggg 660
cgagcggtac aagaacgagg tgctgcggtg gggggggcgga cgcagcggat gggagtgcgt 720
cgccggagcg cttggcagtg cgaatga 747

<210> 18186
<211> 210
<212> DNA
<213> A.fumigatus

<400> 18186
tttcagacac gagacttctc ttcatctgga cgcatcaagt atgaacaggg tatcctgagc 60
atcgtattac atacatacaa ccaaccaatc agtacaaagg aaaatagtcc cttccgaaaa 120
ctcgtccgtc ctcgcgccca ttcaggacga tcgctcccca ctgcggctct caaagctgct 180
cagtcgttcc agctgaggcg tcgacgctag 210

<210> 18187
<211> 429
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (163),(397)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18187
atcgggccgg gaaacccccc ttttttttccc ctttttcccc ttttttttttt ccccccccccc 60
caaaaagttt ttggggcccc cccgggggggg aaaaagaaaa aatttggggg gggaaaattt 120
tttgggggggc ccctttttttg gggggggggcc ccccccgcgg ttnccccctt ttccccctttt 180
tttctcccaa aaagggcccc ccccccgggg cccaaaaaaa ccccggggaa aaaaaaaaac 240
ccccccccctt ttttttcccc ccccttttggg gggggttttt tttccccccc tttttttttt 300
ttttgggggg gggggccccc gggagccccc ccctttttttg gggggtggtt tttttttccc 360
ccccaaaaaa aaaaaaattt tttttttttt ttttttntcc ccctttttttt ctccccccccc 420
ccccaaaaa 429

<210> 18188
<211> 852
<212> DNA
<213> A.fumigatus

<400> 18188
cccgtgggtg aagacgtgac ccagacgctg cggcagctgc cgacgatcgc gctggtgtgc 60
gatttcccgg agcccgggac gaacggcggg ggccggccgt cgctgctgag cgagcacagc 120

gtgcgcacgc tgttccacga gatgggccac gcggtgcact cgatcctggg ccagacccga 180
ctgcaatcga tctcggggac gcggtgcgcc acggactttg cggagctgcc gtcggtgctg 240
atggagcact tcgcgacggc gccgtcggtg ctggcgctgt acgcacggca ctggcggaca 300
gacgagccgc tgtcggaagg gatgattcgg agcatggagc gcgaccgcac ggcccacggg 360
tcgatctacg gcgcggtcga gaacgaggcg cagatcctga tggcgctggt cgaccaggcg 420
taccactcgc ggccggcgga cggcggccgc atcgacagca ccgccctcta ccagcaggtc 480
tcgcagcagc actcgagcct gccggagccc gcggatgcga cgacgccgcc gacgtcctgg 540
caagggtttt tcgggcatct ctacggctac ggggccacgt actacagcta catcttcgat 600
cgggcgatcg ccaacaaact ctgggtcgat gtgtttgggg cgggccgcca cgcggtcgac 660
cgcgcggcgg gcgagcggta caagaacgag gtgctgcggt gggggggcgg acgcagcgga 720
tgggagtgcg tcgccggagc gcttggcagt gcgaatgaat ccaatgcaga cggccggctg 780
gtcgagggag gagatcaggc gatgcgggag gtgggtcgat ggggattggg aagagacggg 840
gtatctggat ag 852

<210> 18189
<211> 798
<212> DNA
<213> A.fumigatus

<400> 18189
ttccattcct ctatactccg tactctacac tttacacgat accgccacgc cctcaccagg 60
tctagaaaag gagaaagaaa ggggaaaaaa atgcctgaaa tcctcctccc agacacctcg 120
tccatcacct cctcaaccgc ctcgtctctc ctcctctaca ccgaccacca acaccaaaca 180
gccctcgccc gacgcaaatc cctccctctc cgtcgcttat cagtctggct ctcccgccgc 240
acctccaagc agggattaaa cgccacggac gataatggct acagccacca ccaccaccat 300
caccctcaca ctctgactca aggcgaaaac taccccgact atgacgccca acgtatcaca 360
tccgacttta acctccaccg tcaacgtgaa catgaacatg aacagggccg ccgcaaccgc 420
aaattcaccg actccgaggc cgagcgccat ctcgccgagt cctatgcggc gtattgtcgc 480
gccttcacgt ccgcgggcga gcatctctat caccagaagc gcaggacgtg gatgatgcac 540
ggggaggtgg atcttccggt gatgaccgag gattctgccc atgtacatgc acatcccgag 600
gaggatgacg ctgatgggaa acgggaggga ctgaaccccc ccgacaccga gccatcgccg 660
ccgcctcata ttctcacgcc ctcgctgtac gctgaaatgc gtcgcgtggc cagcgatcag 720
aaacgagcca ggaaacggct ccgggaacgc cggttgtggt cgtggttcgc ctggattcgt 780
ccacgcgagt ctcattga 798

<210> 18190
<211> 570
<212> DNA
<213> A.fumigatus

<400> 18190
gtccaccgca ttagtatcac gtcaaacacg gggaacggac accccgggtg gatgccccga 60
gtaaacaacg ggtctcccac cgttccctct atggatgatc caaggtcctc accttccgca 120
gcggctgtcg gaccactctc ttcacttttg ttgtttgggt tcgccccatc ttcccccgcc 180
catcggcttc cttccaggcc aacgctgcct ttgccgctgt ccttgtccgc cttgagcgct 240
gccagttcgg cctccagttc acgcacgcgc ttacggttgg ccgaaatggt cgagtccacg 300
tcgcccagct ggttcagcag cgataagttg cgctcgatct ggtcattcag gtccttctcg 360
ccctgcgcca gtttttcctc catcgcccgc gtctgtgact tgaactgctc cagctcgcca 420
ttgaccgctt cgtggctggc ctgcagctgc gacacttcct ctcgcgatgc agacagctgg 480
ttcaggaccc gctccagctc cgtcttgatg ctctcggacg cagcagccga cttggtcaac 540
tcgtccactt ggctgctcac cgccgcatag 570

<210> 18191
<211> 462
<212> DNA
<213> A.fumigatus

<400> 18191
gccagcgctt ccttggcagc cacggccatg tccgcgtcca tcagcttctg ctcgagatcg 60
gccaccgtcg ccctcagacc atcgatcaaa gaggtgtcct gcatcgcagc acgggcatgc 120
gcaagctgct cctggacctc cgcgagggtg gtgtcatgca acttctgcag ctcatccaac 180
ttggccttgt gggaggattc gagttcggac cggaggctgg acagcttctc ttcctggaga 240
gtgagcagct gttcaatcgc cttgctgtgc tcggcatcag cttcggcagc cttggatgcc 300
tgcgatgctt cgagctccgc aaggagcttg gccttggtct cttcaaagtc cttccggaga 360
tccgcaattt ccttctcgcg cagctccgtc tgtgagctga tctcgccagc atggcgttcc 420
aacgtgctct gcagttccgc ctctagcttt gcaacctttt ga 462

<210> 18192
<211> 438
<212> DNA
<213> A.fumigatus

<400> 18192
gacccagccg cctcgctctt ggccttttcg agcgccgcag catgctccgc cttcagcgcc 60
tccaaggctt gtgcgtgtct ctcggccacg gcaaccgcct cctggagttg ctcctcaaga 120
gccttttccg aagcagccgc cttctctttc agatccctca gctgctcatc cttctcggcg 180
tccttagcct tgagctgggt ttcaaagtca gtgaggttct ggtgcaaggc ttccgcttct 240
gcctgtttgc tctggacctc ctcaaccaga gactggatct cgccctgtcc ggtcgacagc 300
tgcgcctcca aggcgccgac cttctccttg agcgactcga tctcttggac ggcaacggcc 360
tgggctgagc tgacgctagc ttccagcgct tgccgagctt cacccagcgc ctgctccgat 420
gcgttcagct tgtcttga 438

<210> 18193
<211> 561
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (294),(528)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18193
agctcctcct gtgactttgc aacagcttgc ttgagctcag caacttcctt gtccttctcg 60
gcaagccgaa gactagtctc ctcactgctt tggctcctgg cggattcagc ttgggcaagt 120
ttggccgcta gatcgggccg ggaaaccccc ctttttttcc cctttttccc ctttttttt 180
tccccccccc ccaaaaagtt tttggggccc ccccgggggg gaaaaagaaa aaatttgggg 240
ggggaaaatt ttttgggggg ccccttttt gggggggggc ccccccgcg gttnccccct 300
tttccccctt ttttctccca aaaagggccc ccccccgggg gcccaaaaaa accccgggga 360
aaaaaaaaaa ccccccccct ttttttcccc ccccctttgg ggggggtttt ttttcccccc 420
ctttttttt ttttgggggg gggggggccc cgggagcccc ccccttttt gggggggtggt 480
ttttttttcc cccccaaaaa aaaaaaaatt ttttttttt ttttttntc ccccttttt 540
tctcccccc ccccaaaaa a 561

<210> 18194
<211> 261
<212> DNA
<213> A.fumigatus

<400> 18194
agtaggcatt tttacacgag ctacaccatg aacgacccgg taacagagtc gattcatcag 60
aaaggcgcca tgcctgagga caagccgttc agcgagaccc cacggagggt ggacggagtc 120

tcccagttgt gtatgtcctg ctctatgttc ctgctcaagg gagatatcgg tgctgatgtt 180
tctatccaga cgagggcaat gtttttgatg cgacaccaga cgaccgtcgg cagatcggcg 240
tcgtcagtgc gtcttttctg a 261

<210> 18195
<211> 240
<212> DNA
<213> A.fumigatus

<400> 18195
ttttctccca aggacgaagt atgttcaagc tcgttgcccc tggtgttgta tcaagaacta 60
acaagttcgg cagttgtcca agaacttggc cgtgagggtg ttttgccctt ctcgaggctt 120
tgggcgagta acaagccgtt ccactcgcca gctgctggtc tgtttgagca ctgggtcgtc 180
tcaatcatca tcatgctggc tcccccgccg ggtgatgcat acaatttcct gctcaagtga 240

<210> 18196
<211> 438
<212> DNA
<213> A.fumigatus

<400> 18196
ctctcatcct cttgttccgc ccgtttttct ccttttctcc ctctttcctc tctgtttctt 60
ccaccggcgg ggttcatgcg tcgattctcc tctgcgcggt taccgctggt tctgaactca 120
gcaaggccac cgctttcctc accctctaca aagcccctcc tactcctctc tcgatccgcc 180
tctctcttct cctcctcccc atcaacgtcc gtcaatcgaa tcgccccccg tcgttttccc 240
ctttcccaag ttgccaaacg ctactgctcc tatcgaagga tgtgcatgtc ccgccgaacc 300
gacgtgcctt cgggctcgac caacgtcacc catggccgtg aggtcttgcc taccaacgtc 360
aagccggtgc actatgacct tactcttgaa cccaatttcg agaagttcac atatgacggg 420
aacgtgatca ttgagtag 438

<210> 18197
<211> 255
<212> DNA
<213> A.fumigatus

<400> 18197
tccagaaaca gcagaagcaa ctccgagacc cgattcccga tcgggagcca ctgtgccagg 60
cggtacagag cgcgaaagag agggtccgtc tttgccaaag agggatactg gtcttacgca 120
gcggccccct tctcaaaacc agagatttgg cacaccccag actacaacac ctatgcgccg 180
aataggaagc ggggacaggc ctccatctac tcccaaagag tcaacgccgc cgatgactta 240
ccctcaaaga cctag 255

<210> 18198
<211> 519
<212> DNA
<213> A.fumigatus

<400> 18198
tccccctgcg tgtatgtgga ttccaccata ctcatcatga ctactaggaa cggcggcgag 60
aagaattacc tcgaatacgt ctacagaaaa cccaagttcc tggctacggc catgtttgct 120
gcgtacgctg tcttgctggg ctgggctgcg agcaacagtg tcgtgtttgg cgagtatatc 180
ctcaatgctg ccgatgtgga ggtcaatcgg tggaatcagc gcggtattgg attggcttgc 240
gtcacagctg ccttcctcat ccacgctctt gctgtgaaat ggggtctccg tctccagaac 300
ttgcttggtg tggtcaagct ggtcattatc ctatttgtca ttgttgctgg ttgggtggcg 360
ctagccggtc acaccgaggc cgagacgcct cataacttca aaaatgcttt tgagggcaca 420
actggcagcg gttatggtat tgtcatggct ttgtacaacg tcatctggtc gttcatcgga 480

tactccaacg ccaactatgt gagtcattcg cagtcgtga 519

<210> 18199
<211> 2307
<212> DNA
<213> A.fumigatus

<400> 18199
tctatgcgcg gtccggcact ccgaggtgaa gacccccgtc taaaaattgc ggactttgga 60
ttcgctcgat cacttcctgc tacatcactg gcggaaacat tatgtggttc gccattatat 120
atggcccccg agatcctccg gtacgaaaag tatgacgcta aagctgatct ctggtccgtg 180
ggcacggtgc tgtacgagat ggttgtaggc aagcctcctt tcagagcgac aaatcatgtg 240
gaactgcttc gcaagatcga gaaaggagag gataggatca aatttcccga ggagaacccg 300
gcatctgatg aaataaaggc gcttattcgg gctcttctga agagaaatcc cgtcgagaga 360
ttgaactttc ccgacttctt tcaaaatggc gtgatcacaa gtcctattcc tggcttggtg 420
gctgacgatc agccatcgat accccagggc ccccctgctg atccagaaac agcagaagca 480
actccgagac ccgattcccg atcgggagcc actgtgccag gcggtacaga gcgcgaaaga 540
gagggtccgt ctttgccaaa gagggatact ggtcttacgc agcggccccc ttctcaaaac 600
cagagatttg gcacacccca gactacaaca cctatgcgcc gaataggaag cggggacagg 660
cctccatcta ctcccaaaga gtcaacgccg ccgatgactt accctcaaag acctagtgct 720
gtcagccatg caactgcccc aggacgacaa gaacttgttg atcgcaatgc tacatttaca 780
gccatggaac gacagaaggg tcggaataca ttctccgaag gttccccaca gatagacaga 840
caggcggaca aattgagaga agaaagagaa cgggcagcac aagatgttgc tttcgagagg 900
gactatgtcg ttgtagagaa gcgtgcggtg gaagtgaacg cttttgcaga cgagttggcg 960
catagccccc gcattcaggg caacatttca agaggtgcgc agacgggcgc cttgtcccgt 1020
cggtcgacag tacacggccc gacgccatcg aacccatcac cacctcaagc tactgtcggc 1080
aaggccatgc aggtcctttc aggacgttct cgtgctgatt caatgcacaa tcgtcagggc 1140
tcatatgagc gtcgatacgg gcagagtccc acctctgcaa cgtctgccat ttcgaaggcg 1200
ctcaatatgg ccagtggacg cttgtttggc atgggatttt ctccaccccc ggctattacg 1260
aaggggggac ggtcgcctcc tcttgcttac aatccatttc ccgcatatcc cgcgcatgga 1320
agcttgatga ttggagacgg ggcgaagagt aatctggctc tggacgagga tacaaagact 1380
gtccaaattc tggaagaatg tgctactcgc agtgacgtcg tatacggatt tgctgaagtc 1440
aaatataagc agctcgttcc ccttgcgccg tcggtccaga ccgatccatc atccaaactc 1500
aatctggccg gagagaggga gaatcctgac tcggctgatg gaggtctcac ggtagatgct 1560
attgtgacat tgtcggagga ggcgttggtt ctttatgtca aagcgctctc tttgctagcg 1620
aaatcgatgg acatagcagg agcctggtgg gcacggaaga atcgaggaga tggttttggg 1680
gattcagcca tgagccgagc cagtggagcg agtacacttg ctggaacccg catcaacaat 1740
gtcgttcagt gggtacgaaa ccgattcaac gaagtgttag agaagggaga attcgtccgt 1800
ctcaagctaa tcgaggcaca aaaacggttg ccacctgacc accctagtca cccggacaac 1860
cactcggttg gctcttcgct ggggtcaggt gcgtctgtag acgtcgttgt gagccctggc 1920
gtctccgcag agaagctaat gtatgaccgt gcactggaaa tgagtcgcac ggcggccatt 1980
aacgagctca ccggcgaaga tctgtctggg tgcgaaatag cgtacgtgac ggccattcga 2040
atgctggaag ctgtactgga gaatggtgaa gtgccgcgat ttggacaaga caaggacgac 2100
acgtccaagg atagcgacaa aattgtgctt gatgctgtac aggctgacga acggcaagtg 2160
gtgataaagc gtgagtcgct cccgccgagc aggaaaccaa ctagtgctga cgatccaggc 2220
agttgtcgcc agcatccgga gtcggctagc agctcttcgc aagaagctgg cgattcttgc 2280
gaaacgagca ccgacacctt ctgctaa 2307

<210> 18200
<211> 291
<212> DNA
<213> A.fumigatus

<400> 18200
tgtttctatc cagacgaggg caatgttttt gatgcgacac cagacgaccg tcggcagatc 60
ggcgtcgtca gtgcgtcttt tctgatcttc aatcgtgtca ttggtaccgg tatctttgct 120

actccggcaa caatcttggg attgtgtggt agcgttggtc tatcgctctt catgtgggtt 180
gcgggtactg ctatcgccat ggcgggtacc gcggtgtact tggaatgggg tactgctatt 240
ccgaagtatg atccccctgc gtgtatgtgg attccaccat actcatcatg a 291

<210> 18201
<211> 396
<212> DNA
<213> A.fumigatus

<400> 18201
gtcattcgca gtcgtgactt gtcttctctg actggtattc tgactgcaag acaggctctg 60
agcgagacga ggaaccctgt acgcacgctg aagatcgcgg cgccgatcgc tatcggatcc 120
gtgggcattc tctacatgct gtgcaatatc gcctactttg ctgccgtgtc caaggaagat 180
atgctctctt cgggccaaac ggtggcagcc aaattcttcg ggaatatgtt cggcgcgcgt 240
gcggagaagg tgatgtccgt cttcgtggca ttgtcagctt ttggaaatgt gttgtccgtg 300
attttctccc aaggacgaag tatgttcaag ctcgttgccc ctggtgttgt atcaagaact 360
aacaagttcg gcagttgtcc aagaacttgg ccgtga 396

<210> 18202
<211> 420
<212> DNA
<213> A.fumigatus

<400> 18202
ggcgctgcta atccgtcaag cctgatctcg tatcctctat ccattgtgaa cgtcttcgta 60
tccggcggtc tcatctatat ttacctcacg cgttcaacac gctttcctga ctgggctccc 120
gggatccgcg cgacactccc agtcaccatc ttcttcttcc tatccaacat atacctggtt 180
attgcgccat acattccgcc ctcggaggga cagagtgttt acgaagaact tccctactat 240
cttcactgtg tcgtggcgct cggcatcttt gccttgggcg caatatacta cgtggtgtgg 300
gctattgtga tgccacgctt tggtcgctac atgctggtaa aagaaaccgt ggttgacgct 360
gatggctggt ccagaagcgt tttcactcgg ctgccgctcg cggaagccga gcgagtttga 420

<210> 18203
<211> 456
<212> DNA
<213> A.fumigatus

<400> 18203
cagaaggtgt cggtgctcgt ttcgcaagaa tcgccagctt cttgcgaaga gctgctagcc 60
gactccggat gctggcgaca actgcctgga tcgtcagcac tagttggttt cctgctcggc 120
gggagcgact cacgctttat caccacttgc cgttcgtcag cctgtacagc atcaagcaca 180
attttgtcgc tatccttgga cgtgtcgtcc ttgtcttgtc caaatcgcgg cacttcacca 240
ttctccagta cagcttccag cattcgaatg gccgtcacgt acgctatttc gcacccagac 300
agatcttcgc cggtgagctc gttaatggcc gccgtgcgac tcatttccag tgcacggtca 360
tacattagct tctctgcgga gacgccaggg ctcacaacga cgtctacaga cgcacctgac 420
cccagcgaag agccaaccga gtggttgtcc gggtga 456

<210> 18204
<211> 186
<212> DNA
<213> A.fumigatus

<400> 18204
catcctaccc gaatggcagt ggagctctac tggccagacc tgaaagtccg cgacagcctt 60
tttctacgag aaggggggctg caattctgtc tcccaaagaa atacgtacga caagatgtgt 120
ctgattatta tgcagatttt tgtagatgct ccgagatggg tatgttcatc cttcataatg 180

cagtaa 186

<210> 18205
<211> 189
<212> DNA
<213> A.fumigatus

<400> 18205
cactttccaa agtctttttt ttctcatcat ctcatccccc caagacgctc aggaacggtt 60
gcgcggactt actcaaacaa atcccactca cgacgtcacc ttagctgtat gatcgctacc 120
tactctcagc tcaagtgcgc tatgtatgtg actacagagc actatgtacc acgaatcacc 180
ccaaggtag 189

<210> 18206
<211> 252
<212> DNA
<213> A.fumigatus

<400> 18206
ccaacttacg caagtatttc tgtcttcctg ggattcattt ttagaggctg ctttaagtgc 60
tctgtgtgga acccgtatgg atccacttac cctgtcacaa tttacctagg tcattgtttt 120
tgtttacaag gtaactatac ttccttaggt aaggtaccta cagcattcct gttattttac 180
acagcgataa aatatattga catctcaatg gtccaacttt ctgatatcgt accactatgt 240
acggagtatt ga 252

<210> 18207
<211> 222
<212> DNA
<213> A.fumigatus

<400> 18207
gattgcacag gttcagaagt ttgccgaata aggggtgaac acggacggca cacaaaagca 60
ggggtgggaa tactatatct cctaatctac acttgccaag atttcgccat ggttttcgac 120
ttgagttttc tgctgttggc ttcacttgca tcgccagttg cttccgctat cacctactgc 180
tcttccgtga acactggttc ttcgtactct gccagtaggt ag 222

<210> 18208
<211> 189
<212> DNA
<213> A.fumigatus

<400> 18208
tccgacaaat ccaaaacaga gaccactgac tctaaaacaa ctaccacagc acctacaact 60
actcataata ctgtctcgat tcagaccgtt gctggtattg tgaagactat aacagtcccg 120
ggtacggaac caagtgcgac accgacctca gctttgttac aagcccgccg ggatggaata 180
agagggtgg 189

<210> 18209
<211> 408
<212> DNA
<213> A.fumigatus

<400> 18209
gtagccctga ccacctctct ctgccaccaa gtgatatcta atctttttct tcttacagac 60
atcagcattt atcagtcgaa tggactctgc acggacacct gcaacgctga ttatgccttc 120
gcaatcctcc aggggaaaca atgctggtgc tcgaacatag cacccaacaa agctacgaac 180

accgacattt ccgattgtgc cgtaggatgt ccgggatatc cgacagacag ttgcggagat 240
gcctctaagg gcctgtatgc ttatattcaa atgtctttac ataatccttc gggcacagca 300
gctgctccat cctcgacaga ctcgacaaag tccacggtca gtagcctttg cctcgaactt 360
cgtccccacg cgactcattt attgccaacc ggcccaataa gccattga 408

<210> 18210
<211> 234
<212> DNA
<213> A.fumigatus

<400> 18210
cattgcctat cagccgccaa ggtgtcctct cacgtgatta ttccgcatgc tctggaccca 60
ccaaaaagcg gtgagagctc agatgacttt ggcctcgctg ggaagtatat atgtatgccc 120
tccgccaaat ttggactttg gacgctcact aactgtactt tctctgtttc ggaaagatca 180
aaagttactg ttaagactcg ccgctacgtt gttgcttcgc tattatgggc ctga 234

<210> 18211
<211> 198
<212> DNA
<213> A.fumigatus

<400> 18211
ttcctcacat ttaataaaca tctctcactt gagtacaagt tcactagtct tattcatcag 60
ctactctcta ctattgagta tatgtactta ataggccttg cttctatctc tactgttatt 120
gttcttgtgt tacctgtggt tgtctttaat cctcagttgg atcatcatat cattgcatca 180
ctaaggctat ctgcttga 198

<210> 18212
<211> 225
<212> DNA
<213> A.fumigatus

<400> 18212
ttgggagatc tccactgcgt tggttccgtc atcctcaacc taagtgggat cttgctttct 60
ttttataagc ttcatttcat ttgtaacaag tgtaccacac tttcaattca tacgaagaaa 120
tttcaagtca tctgtaattt ctcattcaac tacagtttgc taattaccac catcgccaat 180
atgacagaac tcgccccatt atcattatgt ttctttgcag agtag 225

<210> 18213
<211> 1002
<212> DNA
<213> A.fumigatus

<400> 18213
agcgtttgct ggagagtatg tactgactgt aaatttgctg gatctaggga ccatctacca 60
actataagtt tcttcacaaa ggacggatct ggatatacct cgagaaactc gaccgtctca 120
tcaccaacac cactcgttag tccgactacc atgtatccca gccaaccttc gccttactcc 180
taccagcctt ctgcggctag cgcacctcca cagcccggat atatctcccc ccctgaatcg 240
aggcgggcac ttgaggaaga gaaggagaaa caattgcaac cgcagagaca atcactccct 300
tcaattcacg aggcgttaag gaatgatagc cctttaccat accctgctcc gcctacgtcg 360
ggtcccctgc cgcaagctca tccccatcct ccacatgctc tcgtcggtcg atcagcaggg 420
gatggcccgg ccgggccccc caacccgttc tccaacggtg caccagcagg cccatacacg 480
cgcgaacctg cttattctca gctgcaaacg gaggcgtcgc ggtcaagcct cgcatctatc 540
accacacagg aatcgaggaa tccctcgcta cagtcgctca actcgagcaa atcacctacc 600
cacagcgcca agactggctt gacttcgatc gcgggctcgc agacgggatc ggggtacgaa 660
tatagtgctc ctacttcggc ggggagtata gcctcaccca atggatacac tgcatattcg 720

cagccgttca cttttcagtc acaaccacca ccaaacgcac cgacataccc actagcccat 780
catgatacga ggccttatgc tgcgacgccc tggaaacccg gcgcaccaga accaccacgt 840
gtcgaggaat tgaaaaatgg gctggcaggg cgtcctgcgg ttccagtaca acctcaaggc 900
gactctgcca agcgccactt ggacatctac gaagtggaga cttcactcaa tgaggtatgt 960
attttgatta cgaggaccat gtttatcggc gttgttcgct ag 1002

<210> 18214
<211> 231
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (59),(70)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18214
ccaagcatcg ttatagaaaa ccgcccctcc cggttcgttg ccacagttgc aacgagccng 60
aaactccagn aatggcgtcg tggtccagat ggcgctcgga cattgtgcaa tgcctgtggc 120
ctacactatg ccaagttgac gcgcaagatg ggcgctagca aggctgcttc cctgggttcc 180
aatctgaagc ccaaagccgc actcgatccc acgcctcccg gtacccgata g 231

<210> 18215
<211> 486
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (147),(318)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18215
atcgtcgaac tgagtacgcg gaccttggac ttttcccggc actatgctac tagagcgcac 60
catactcaac ggtctgggcc catgttgggg actttgcctc ccctccacga gattgaagac 120
atgatccatt tgcaacatcg gaatcangat gctttgatgc ggttaccaaa cgctgttttg 180
aaccaggagc atgccttggc ggagcacatg gctcagagaa aagctttcaa cgcagggcga 240
gtccatgata gtgaacatat ggcaatgtac caagaaaaat ttaagggccg tggcggattt 300
gctgggccaa atacgaanaa aacaaaaagg ggtaattcta ctctgttctt ggccatcttc 360
ttacaccttt gctttggctc tggcacgatt ctttgcagca gtctcggact tttccattac 420
tttccggagc gtcatttccc ccgcttgggc aaagacttta tccacgctaa ccaagcatcg 480
ttatag 486

<210> 18216
<211> 387
<212> DNA
<213> A.fumigatus

<400> 18216
gtctcctcat ttcgtacaac atcacccagg accaccccaa ctatggtgac tcgctcccag 60
cagctcacac ctgacgatga gagtcaggac agcgatgcca gttcctccgt cagcgagatt 120
ttttcagacg gtgaatctga tagcgactcc aacagcgacc tggaacttga tagcgaggac 180
tctgacaacg aagatgattc tcctgaagat ttctccaatg acgatggcca gctcccgcca 240
gagtactact tggaacaagc agagagcctg gacatctctc agcttcgaca gaagcggtac 300
agcgacggca cccaggaaaa gctagacgag acccgtgagt actggaacag gttggtaccc 360
attttgaccc ttaatatatg tcaatag 387

<210> 18217
<211> 210
<212> DNA
<213> A.fumigatus

<400> 18217
atcgtgagag aaggggcgaa atattggaaa ataggcgcaa caacgcttgg aacccaaggg 60
attcactgca atgggctaaa aaaccaaact gcgttgaact gcctgtccat cctgaacaat 120
tttattttat tggatgcttc tagaaacatt tacacaggta gcatcctgct tacgccacta 180
tctcggaata accaaataac tgtagattga 210

<210> 18218
<211> 228
<212> DNA
<213> A.fumigatus

<400> 18218
ccatggtgca agattctcaa tatctctata tacgtgggga acggcctcga gcagaacaaa 60
ctacccttg gtcaacatga acgagtctgt ctctaccggt ctgtgccaga ttatgatagc 120
atcatctctc tcgaggcatc aggtgaccaa atcgagaggc tgcctaacat ccgtgacgag 180
cacggtcgga cgttggtaat gggtaaggtt ctcgtttttt acctttga 228

<210> 18219
<211> 729
<212> DNA
<213> A.fumigatus

<400> 18219
cgcttcaaaa ccctgtccag attttcacgc ttttccagca ttcttaccgt ggaaacattt 60
gcaggcccat caatcccatc tattcctccc acgtccgttg ccccctacc gacgagcgat 120
ccgttaccgt cgaacaacat ttactaccct ccagatgccg gccttgaatt tgaccaggca 180
atacagggtc atggcagtat ggacccaagt atgtctccct cggtgccgat tacagacaat 240
gtgggttctc aagtgatggc ttcgctacca tctgttgata aatcccctgg gcctgactct 300
ggcccttcgt cttacccaac accctctact catcatgtca acactccggc agctggcggg 360
ccactcatcc ctccgagtgc ttgctgcagt ccacaagtct accaagcagt cagtacacca 420
cagtcggtca gtacccctta cgcaaaatct gcagcgacac ccgttggttt gagtatgcct 480
gggtccgatg caggtgcttc ttcttatccg acaccttcta ctaattatgc aaactctcct 540
cgattggatg agccgcaaca gcaggcgcgg gaccagccga ttgtcggatt attgcaatcg 600
tgtacattca caaacaagaa tgtgcgtctt aataataacc agatcgagga aattatcgaa 660
gtgggagcta gccttctccc acgggaacct ttcgagatcc tgctgcccgt cctcgaacaa 720
cgcgggtaa 729

<210> 18220
<211> 285
<212> DNA
<213> A.fumigatus

<400> 18220
tttcagctgc tgctggccct taccatccag aaccccaagg ctgtaaagct tttctgggca 60
atccagcacc ggtccgtttg tagaaatagt cttaaagccc ttaatgtgga agagcatact 120
gagcaagcat acgtgcggac taaggaccag agttggatca aagataattt caggaatctt 180
aaactcgttc ctatcagata cgctcagttc gcctcactcc tcaggtaccc gaaaggtaaa 240
attagagcac ctacgcagcc ttctttccaa ggaacctctt cgtga 285

<210> 18221

<211> 651
<212> DNA
<213> A.fumigatus

<400> 18221
tcccacggct ctcaggacct ctatcccacc atgctgacga accaattccg cttctcctcc 60
aacgccgtca ccgtcaccca ggtcgtcgcc aacctcggtg ccttgtccgg cggtaccctc 120
tgcggctggg cgagtcagat ctttggccgc cgcttctcca tcatcgtcat ctccatcgtc 180
ggtggtgccc tgctgtaccc ctataccttc gtgcacgaca aatccgtcat ggcggctgcc 240
ttcttcgagc agttctgcgt gcagggcgca tggggcgtca tccccatcca tctgatggag 300
ctttcgccgg gttcgatccg tacctttgct gtcggtactg cgtaccagct gggtaacctt 360
gtttcgtcgg ccagctcgac catcgagtcg acgatcgggg agcggttccc cctgccaccg 420
acggagaagg tcaagcatcg ctacgactat ggcaaggtca tttgcatctt tatgggatgc 480
gtctacgcct atgtcattat tgttaccttc tttgggccag agaagctggg ccgtcagttt 540
gatgtcgcgc atgaccgcga tatggagatt gtgactgctc accgtggagc cgtcgaggag 600
gatcctgaga aggctacagc ggctcacatc acaaggacta agtgtttcta g 651

<210> 18222
<211> 528
<212> DNA
<213> A.fumigatus

<400> 18222
tcggcgcata gtgcctgccg tgctctcttc ggaatcgcca tgggtggatt atacggcaac 60
gccgcggcca ctgccctcga ggattgtccc atggaggcgc gtggtattgt gtccggtctc 120
ctgcagcagg gctacgcctt cggatatcta cttgctaccg cttttgcacg cgccctcgtc 180
gacactaccc cgcacggctg gagacccttc tactggttcg ctgcttgccc tcccgtcctc 240
atcatcgcct tccgtctgtg tctacccgag accgaggcgt tccgtcagcg ccaggccatc 300
cgcgctgagg tccggggtgg cgttacttcc accttcttcg aggagggtaa agtcgcgctt 360
aagcgccatt ggctgctact catctatctc gtcctgctca tggccggttt caacttcatg 420
gtacgtatca accgtttgcg aacagcgaat ccgattcagc cacggcgaat ccagctgaca 480
tggtcaaata gtcccacggc tctcaggacc tctatcccac catgctga 528

<210> 18223
<211> 279
<212> DNA
<213> A.fumigatus

<400> 18223
ctcgttcagg tcgccttttt cggctggaca tgggacgcct tcgatttttt caccgtctcc 60
ttgaccacct cccaactggc caagcaattc gataaatcta tctccgatat cacctggggt 120
atcacccttg tcctcatgct ccgatccgtc ggctccatta cattcggtat cgcatccgat 180
cgctggggcc gcaagtggcc attcgtggtg aacaacatcc tcttcattgt tctggaactc 240
ggaaccgctt tctgccagac atacaaacag ttcctgtaa 279

<210> 18224
<211> 309
<212> DNA
<213> A.fumigatus

<400> 18224
aagaaggata tgccagatgg agggctttca ccaacttcac aagaagagca aactaccgaa 60
aacaccaact tcgaacatat cacacgcaaa ggccatcact atggcaaatc tctcatcacg 120
actgagaggg gtcaggggtg ggtatacaac gaagccatct atggcaatca tggtgagtct 180
cacaaccctt ttatgaataa tggattaata ctgacagcat ctgcagacaa tgttaatact 240
gtggatatca ttctggagca atataagcat gacagcagcc acaatagcat acgcagattt 300

cctccttaa 309

<210> 18225
<211> 225
<212> DNA
<213> A.fumigatus

<400> 18225
agatttgcct gcaacaggct agtccgaaca cgcgataccc tgtcaaacgg ctttttacag 60
tggaaaatca gtatctcacg cgcatccgac ctgcacattg gcttcacaat ggcgaccgtg 120
gagaatggac acgcctcgga cggcattgtc aagtcggtgg agcttcgctc ccgaccgaga 180
aagacgaatc ctttcagatg gacatttggt ctggtggtgc ggtag 225

<210> 18226
<211> 210
<212> DNA
<213> A.fumigatus

<400> 18226
cacatctgca cggtgcacag gagccccggg ctcaggccgt ggacggtcgt cattcctatt 60
tggacggtta ttcgctatca tctgcactgc cgcttcgcgt tcaccatcag caatattggc 120
cattggctgc tgttgaacaa cccattctcg gatcagaaag acaagtataa acgaaaggac 180
gacgagcagc gtaataagct gcccctctaa 210

<210> 18227
<211> 2454
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1884)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18227
cgaaaagttc tcagttctat ggatcagcag acgcaatctg ccgtcgcatc agctgagaag 60
agcctggtct ttgaatcgac catgacaacc actgcgactg tgggccctgt gacccacccc 120
acactgtcac ctgccgagca gaccgcgcaa gctcgcgaaa agattgcctc agaccttcaa 180
acatggcaga gaaggttcgc cactgccgtg gaaaagggtt ctgaagatct cgaggaacgc 240
gtggaagaga tagtggaaag ctacatcaga agcggtgtaa acagtcatgg cgagagtctt 300
ataacagctc tagaaactgt cgtgcaggat gagatctcgt ctgtcaaact ccgtattaac 360
gagttagccg aatcgctccc aggcgaggag gcgcccgagc aggagggaaa ggtccaggat 420
gaacttttga aggagatcag acgggctgcc atttctgtca gagatcgcgc acatgcagta 480
cgagaatggc ggaactcttt cgaccaagaa ttaaccaggc gtacttcagc agcagtcaac 540
tctactctcg atgttctgga cagtgtgcga gacctgggtc tccaggaaat cggtatgcga 600
tgggcatgga tggaaggcgt cacatacaag gattgggcca agtaccatgc cctcaaagct 660
caattcgaag actggaaaaa tgatatcttc aatgtcggaa tgcagcatgt gaaagtcgag 720
gaagctaagg aattggccaa tgatattctg gaccgtggca tggaggtcgc agaagatgct 780
gcaaaggagc tggccaggct caaagacgtt ggcagatgga aaatcgcggc tcgcgaagca 840
agtgatgatt ttgaaacaag aatcggggac cctcctccac taccaaaacg cagcaagact 900
gacgaggagt cgaaaagtgc cgaggctaac atcgccgata ctgaaaacca tcaatccatg 960
gagggctctg agcaagctac atcaggcaca gtcctggatt ctgaaggcac agctgctcac 1020
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aaattatctg tatcgcacga tgatagtctg ccaaaacact ccagagccag tgacgtatca 1140
tctgcagcag acggatttag tcccgcatcg gtgccagaag cagacccaag tgaaagcgtt 1200
gagccagtca agatggcctt gggtgtcgct gcggctgagt ctgtgccgaa acaagatgcc 1260

tccgaacatc atgtctttcc cgagcaattg cacgagcttg tcagccaggc tgatgaccag 1320
ttcgcgaaag taacaagtgc cgccggccaa gcttggtctg atggcagcgt cgcgtccttg 1380
gctcaccagg tcgcttctag catcacctca atggcagcag acgttacgcc acttgcatat 1440
atctcgtccg tggcttcctc gaagctgagc gaaggcctta gtctcgcctc agcccaactt 1500
gacagagtcc gagcgacggc aactccaaca acggctgttg agcagaaccg tatccttctt 1560
gatgcacaaa gacgttacta cgaggctgtt ggtatggcac atgaccatta ctctgcattc 1620
gtgtcctctg cctctcgagc ggtgtatggt gctcctactc cgacaggaca ccttgaacag 1680
atggctagta aagcatccga gaactgggag agtctcgttt ccgcggctag cgaacacttt 1740
tatggctctc gatcgcacta caccccccg gctttgagtg atttggttct tcaatatgag 1800
gccatcgaac aattagtatc tgagctgata gttggcaaag aaccttcttt tacggagaaa 1860
gccctaagca gattgcacgc catntacgaa accccatacc cagtctccgc gctttcagca 1920
gcttcgagtt atgtcattgg ggagcatact gctaccgctt ctgctccatt tggctcggac 1980
acgaacgttc catcggttga gaacattttg cataatgcca acgaacagtt ccagtcggcg 2040
atcaatgccg tgagtgttca gctgtatggt accaccaagg gtcccttcga aaaggccaca 2100
tcttcagcga gcagcgctat gtcagcggcc tccgcccaca tcagcgaagc cgtttacgga 2160
actgaaccag gatacttgga agccgctcag gaagcccttg agcatgcata cgcatctgcc 2220
gaatccgcca tcagaaacgc agtcttccag tcagctagtc caaccgaagc tgaacaagga 2280
gcttttgcca gcgccaccag caagctggcg gaggctgtag aaggagcaca gggccaactt 2340
gcaaacctgg cttcgagtgc cagcagcctc gcttcggctg cggtagagac tgtcacatca 2400
aaagtggagg tcctcactag tgacgatgac acacctgtta aggacgagtt atag 2454

<210> 18228
<211> 504
<212> DNA
<213> A.fumigatus

<400> 18228
aaagcagcca agacccttgc cgcccggcaa tgcttccttc ctcttacgca cgcacataat 60
cgccttctgt ctgcattccc atcttcttgc tcctgcaagt ggaccttcaa ccgtccacgc 120
tcgttaaagc catatttctt ccttgcatgt ccgacactcg ccatcgaatt ctatcttgaa 180
cgattgggcc gtccaagcta caaccctgct gacggttccc taaggtctcc cggggaagac 240
ctcggagctt ctggtctgac ggagtacatg tgggatgtcc tctactggac ctggggctgt 300
atgggggcgg cttgtctatt tggagatcgc gcctggtggc tgtggatcgt tattcccata 360
tattctgttt ggttggccta taccaccttc accgggatga agagcgggtt ggccggaatg 420
ggtggagcgg acacacccgt cgcagaaagt aagagacaga agaagatgga gaagcgtgga 480
ggacaacgca tgcagtaccg gtaa 504

<210> 18229
<211> 1434
<212> DNA
<213> A.fumigatus

<400> 18229
gaatcgtcgg atagacgttg gaaacaacac tattcaagta tggatttctc acaggggcac 60
caccaccagt atgcgggccc cacaaatttc ccggacctga tgaacgattc tgcttttgcg 120
atgaacaaca aggggaagga aagagatttt gaagaaccag atacatgtcg gatttgtcgc 180
ggtgaaggaa cactggagga gccactgttc taccttgca aatgtagcgg cagcatcaag 240
tttgttcatc agccctgcct ggtagaatgg ctgtcgcatt ctcagaagaa gcactgcgag 300
ctttgcaaga cgcctttccg atttacgaag ctatacgacc cgaacatgcc tcgaaacctc 360
ccggcgcctt tgtttttgaa acagctattc atccatagct tccgcactgt tgttacatgg 420
ctacggttca ttctggttgc ttttgtctgg ctcgggtggc ttccatggtc gatgagggca 480
atttggagag cactgttctg gcttgcagat ggccactggt ccggtggtga cgcctcccaa 540
cagcttcaag ctcggcaatc tgctgggaac gaaactactt cccttgcagc cggagtgact 600
acctcagtct tgcagactcc cagtgctgtc ttgtcaaata cgacgaattc atcatcattt 660
tatgccccag tgtcatccat gttcactttc ccctctggtg acccgcttct gcttacagtc 720
gctaagaaag tgatatccgc actattctct tcagccatcc catcggggaa tggttcatcg 780

aactcgcgac cgttgaacgt gactacggga ctgtacaagc accgtcaccc ctcgtggctg 840
tcggacgtga agttgctcaa ctccttgacc tcatcaccca ccatcaataa tattatcatc 900
gacacgttag aggggcagct tattacgctg ctcgtcgtcc tttcgtttat acttgtcttt 960
ctgatccgag aatgggttgt tcaacagcag ccaatggcca atattgctga tggtgaacgc 1020
gaagcggcag tgcagatgat agcgaataac cgtccaaata ggaatgacga ccgtccacgg 1080
cctgagcccg gggctcctgt gcaccgtgca gatgtgttag gggacgaggg agagcatatg 1140
gcagagcatg gcatcggtgg tgatgacgtt ggtatacatg atattcattt tcttcggcca 1200
actcgcaggc gttctcttca aggtggcgaa agcgctgatt taccagctgc cgagtctgtg 1260
gaaacagctg gtttcgcaac atttccagaa aatgacagtg atagcgacaa tggagcgaat 1320
gccgaccatt tggcgagaag atcgcctact cgagctaatc agggaggttg ggctggcgtg 1380
agactttcag agacctctgg tcccgcggca atggtgaccc ggagcagatt ctaa 1434

<210> 18230
<211> 252
<212> DNA
<213> A.fumigatus

<400> 18230
ctacatgtac cttatggaca aatcaatgcc ttctcgcgca tgttgatcgg cgagggaaca 60
tgggccccca ttcaaatggt cgagaagctt tcaagtgtga cagccaatga tatacgcttg 120
tactttcccg aactgctggg gaagatgcac attgagatcc tcattcacag caacttgtgt 180
aaggaggacg cactaaacat tacaaaactt gtggattcca cactcctccc atgtcgattg 240
ccagagagct ag 252

<210> 18231
<211> 336
<212> DNA
<213> A.fumigatus

<400> 18231
ttcaccatga aggctcatct cctcgcatta gcctctgtca tcccttcagc ccttggctgt 60
cttcactatg ttggtcaaat atacttggcg cccggtgggc cgcagctcca gaccgcttgg 120
attattgacg atgggaccct tgtgtgtgac gcagcttggg gccaatcacg tactatggcg 180
ggttacaaga taaactgcaa gaatggttac tccctggagg tcggggccga tggtggccag 240
gcttggtacg gcacgccaca cggcaacttt cgctggaccc agggctacga ccgtagtgat 300
aatttcattg tctgggacaa ttggcggtat tgctaa 336

<210> 18232
<211> 231
<212> DNA
<213> A.fumigatus

<400> 18232
ctaaccgggt tccagcctca attcagcagc acgaccgcga acgaggaggg atctcagcca 60
tggaagatga tgcaggaaat ccaaaacctg ttcaagccgg agatggctgc cgctcttgaa 120
gccaacgccg agtccaacga gatggacgaa gagtctttgg agctcgagct ggccaggctc 180
caattcaatc ccgcgagacc caacattgtg aatgcggagg agcaatactg a 231

<210> 18233
<211> 336
<212> DNA
<213> A.fumigatus

<400> 18233
agtatcagtc gcgtgctcat tgtcgaagag ccagcaggag gcaacgtcaa gggtgcagca 60
tttaacctgc cggtagacat caacagagac actagtgctt gcccagcctg ctatttcttc 120

tctaaggcga ttcgataccc gagagaggat accgtcgagg gtctgagagt tgagattgta 180
cgaattggaa tagggatggg aaaacatacg tttacgcttt ctgtgcttgt cgttatctgt 240
catagtgact ctaaaactga tcctgcaccc ggtgagacat cgactgtgtc atttgattgg 300
gaagttgcta agggcccagg aaacatactc gtctaa 336

<210> 18234
<211> 414
<212> DNA
<213> A.fumigatus

<400> 18234
gataaagtgt ttgagaataa gactgttgca tctacgatga catacactga tacgtcactt 60
gtttacacca gcctctttgt ctgcccagaa gtatggagca ccagcagcta ttattatgaa 120
catggcaaca attccactac ttcgtgccag aacagaaact tggcccaggc catcaaggac 180
ctcagccaca atttcaccta cagcctgctc agcctcaatg gcggaaacac caccgtcgac 240
atgacggact tgacctgccg caactactat tcctacggca gtacggccct gctcggggtt 300
tacttgagtg cgctggccgt catgattgcg tgcgtcgtcg taggcttcct cgccctgcga 360
cgaaacggcg tttcgtacaa caactcgttc tcaggtgtct tgttgacgac ttag 414

<210> 18235
<211> 201
<212> DNA
<213> A.fumigatus

<400> 18235
tgtttagcag tttttgaccg tcctaaagct tccatctaca cagaagacct gtccagagcc 60
ctgcgtgtct cagcccgcct cagaactggt acagttggta tcaacaaaag cttctctccc 120
gaggttgaga ccccttttcgg cggggtaaca ttagtggttc aggatgtagg tcaggaagaa 180
tgggtctatg gaatatcttg a 201

<210> 18236
<211> 1164
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (56),(1070)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18236
gtcagcatgc cccaaatggg gttgagggca cccaatggta ataaaactcg aacagncgaa 60
gtcattaccc tgggcagatt tatttcagaa atagtcaatc ttcgagatga tcaaggggac 120
acagcactta accttgccgg gcgagcgcgc tctgtcttag tgcctcaatt actagaagtt 180
ggtgctgacc ctcatatacc taatcacact ggtctctgtc ctgctgacta tggcgtcggc 240
gtggatatgg ttgaccccaa tgctcaatcc cagcaaggcg gaagcaagaa tgactctttc 300
attgatcatc tggccaaaac aaagaaagaa atttttgatg gtgcgggacc tctccaaaaa 360
gctattgacc aagatatact aacaactttt aaagcaacaa tggcccagat cagcgcaata 420
gtacaggaga cattaggtgg gatcgataaa gaactagcca ccgacttgtc caagaagcaa 480
gagaagtttg aacattggca ttccaaaata cgcgagactg ccaaagcccg ccaaatagaa 540
cagaagagac tggacgacct caagagcaag tcttcgaatc gggtcgaact aagcagacgg 600
atcaaaaatt tggaaaggtc atcggaagat cttctcgtga cgctcaaaga gatacatggt 660
gggaacttcg agccttccaa gatgacgata gttggagatg cggatcaaga ttccggggtc 720
gacatgacgg aattcgatgc ccttttcccc gaaacgttcg atcctacatc agggttttcc 780
gaaaagcagg aagcctttct caagtctctg acttctcctg agattctgca gcagcgcatc 840
aaatgctatc aagacttcaa tcaagagata cttgccgagg tggatcgctt gaaatcgaag 900

aacgtggtgt tgggtcagaa ctatcgtcga atggttatgg cctgtaccgg ctggacgggc 960
gaacaggttg atgaacccgc ccgaaggtta acgccatgcg ttaaagattt gaatgaccat 1020
cctgttcctg aggatgaggc tatcgacaat ctcatgaagg atctacgtcn ggaatgggta 1080
cctgtgactg gtccaaataa tttttcctgt ttttgcgcca ccagccgcca tctccccgga 1140
attggtccca ttcctccccc cggg 1164

<210> 18237
<211> 1425
<212> DNA
<213> A.fumigatus

<400> 18237
caattcttct tgttcaaggc tgtctattcc aacgtctcgg tctacgaaat ggaagtaaac 60
ggcgttgccg ttatgaaacg tcgttccgat tcctggctaa atgctactca aattctcaaa 120
gtagctggcg ttgtcaaagc tcgaagaacg aaaactctcg agaaagaaat tgctgcaggc 180
gaacatgaga aagttcaggg aggctatgga aaataccaag gaacatgggt caattatcag 240
agaggtgtcg agctttgccg tgagtatcat gttgaggagt tattgagacc gcttctcgaa 300
tacgacatgg gacccaacgg cactgcaaat gctggcaatg acactctaga cactcctaca 360
aaggagcaag cgatggcagc gcagaggaag aggctttata gcggtgtgga taaccgcggg 420
atgtcgcaac cgcagcaagg caccttcttc cagaatatct cccggaccgc tgcaacggct 480
gtcaacgcta tcagcaaggc tcgattcgat tcacctgcag caaggaacgc cgatagtagg 540
cgctcgagta tcatgcgaaa gtcgtcacat cagatcggca gccaggagtc tcaactcccc 600
accttcagta gtcagcagag catgtacagc gtggcctccg acagtggatt tggcagcaat 660
gcacagagca atggccgatt caatggccct gatgtcgcca ctttcgaaac ggaagagtcg 720
atcgagccac ctcggaagcg tatcaggtcg tcttcaaacc agatgccatc tttcgggctt 780
caacgggagc actcttcctt gtccatgcaa gagcctaccc cgacggaacc gaacgactct 840
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cctctgcctc ctgccacaac tccagaaaga tttcagaaga tgaagctcat catgaccttg 960
tttcttgaca agaggaccaa ggatttctcc aaccatccgg cgttgttgca actcactggt 1020
gaagatctag aaattccact tgacgaatac cgcaacaacg ctcttcattg ggcggcaatg 1080
cttgctcgta tgcctcttgt ctatgcgctc gtcgagaaag gcgtgagcat ctatcgttta 1140
aacggtgcgg gcgaaactgc tttacaaaaa tccgtcggga caagaaacaa cctcgattac 1200
agaagctttc cgcgcttatt acaggtgctg gctcccacca tagacatggt tgactatagt 1260
ggacgcacga tcctgcacca catcgcagtg atggctgcga ctggtggtgg tgggcatgtg 1320
tccgcgaagc actacttgga ggctctcctg gagttcatcg tccgccatgg aggcacgtcc 1380
ataagtcagc atgccccaaa tggggttgag ggcacccaat ggtaa 1425

<210> 18238
<211> 366
<212> DNA
<213> A.fumigatus

<400> 18238
attgatagcg acgatgagcg gctaaactac atcgagtgga actgcgacca agttcgtcga 60
cggattcgct ccttcatcga aagcggagag atgaaaattg gcgaattcca aaatgcaatt 120
ggcgtctcgt cgcgttccta cctggacttc atgggccagc acggccgcga caagggctct 180
ggatcatcga catatatcaa tgcggcgcgt ttttttaaga aacgcgaatt acaaggcatc 240
aagccactcc ggaagaagag ggcagccaag gaatcgcaga aaaatgtggc cgaaaagtac 300
gatgtgtcta gtattcatct tgacggagag tcggacccag agctccccgg ttggggacac 360
ttgtga 366

<210> 18239
<211> 321
<212> DNA
<213> A.fumigatus

<400> 18239
cttgccgcgt gggagcagca tcgtgccgga ggtgatgacc agggcgcggt ctccgcctgc 60
agcggcaagg gaggacccca tggcgctaat ggcggcgcgg tctgtggcgc aggagccggc 120
gtaatcggtg aagtcgtggt tgaaggcgag gtggatgacg gcgtcgcatt cggaggcggc 180
tttcttgagg atatccagct gttcaatggt accgcgtatg gcctcggcgc cttggttttc 240
aagctgttcg actccactct cactgcgagt caggccgagg actttatgtc ccgcagagag 300
gagttctttg acgacggctg a 321

<210> 18240
<211> 234
<212> DNA
<213> A.fumigatus

<400> 18240
cgacttcgcg gtagttttcg caaaacctca gaaaccctat cagtcgtcag cgtgtttatg 60
agtctattca gtccgctcaa gtccgacaag ctcgatcact atgttccaga ggacacagag 120
atcaacagtc tagaatcaca aatcgtgcgg aaacgacaag caaagacaac aatggcctct 180
ggtcgaaaga ctccactgca acctagtctg aaagtggtgc aacgcaccct ttga 234

<210> 18241
<211> 564
<212> DNA
<213> A.fumigatus

<400> 18241
atggctattg gcatcctgct agaaaccgca gctttcctgg gagcgtcttg gagcaacaag 60
atttggcaac tctatctgag ccaaggcgtc tgcttcggct ggggtctggg gctacagtat 120
ctctcgacca catatctgat cccccaatgg tttagccgaa aacgcagtct agcggctggt 180
attgcgactg gtggcagtgg aactgggggg ctgatatact ccctggccac gcatgccatg 240
ctggcgcggt tcagcatcgg gtggtcctat cgcattctcg ctatttgcca gctggtcgtc 300
aactcattct gcctactggt tatccgtgac cgaagtgctc aggaccactc cagctcgcgg 360
acattgaaga tcaacttcag cctgtgcgcc cgatacgaga tgtggctgta tatcggctgg 420
agcttcctca gtgttatggg atttatggtg atctggttct ccctggcaac atatgggcga 480
agtgtgggtc ttacctccac gcaaggtgct gtcgtcaccg ccgttatgaa cattgggcat 540
atgttcggca tgcctgccgt atga 564

<210> 18242
<211> 963
<212> DNA
<213> A.fumigatus

<400> 18242
aaaccttcct gtcacattca aattcctagt gtatttcact tcatcatgcg cgtctttgtc 60
actgggtcca ccggcttcgt cggctcagcc gtcgtcaaag aactcctctc tgcgggacat 120
aaagtcctcg gcctgactcg cagtgagagt ggagtcgaac agcttgaaaa ccaaggcgcc 180
gaggccatac gcggtaccat tgaacagctg gatatcctca agaaagccgc ctccgaatgc 240
gacgccgtca tccacctcgc cttcaaccac gacttcaccg attacgccgg ctcctgcgcc 300
acagaccgcg ccgccattag cgccatgggg tcctcccttg ccgctgcagg cggagaccgc 360
gccctggtca tcacctccgg cacgatgctg ctcccacgcg gcaagctagg cgacgaggac 420
gatgcgccgg acatgaccca cccgatggct gcggcccgcg gcgcgtcgga aaaagtgtgt 480
cttgactttg cgaagcaggg tgtgcgagct agtgttgtgc gacttccacg tacaacgcac 540
ggccttgggt tctcaagatt cacgggctcg tttgtgagcg ttgcgctgca gaagggcgtc 600
gcagcatatc ttggcgatgg gcagaaccgc tggtgtgccg gccaccggga cgacgcggcg 660
aggctgttcc gactggcggc ggagaaggcc acacctgggt cggttttcca tgcggtgggt 720
gaggagagtg tgccgaccaa ggagattgcg attgcagttg ggaaaaagct ggagattcct 780
gttgttagca ttccgccgga gaaggcagaa gagcatttcg gttggttctg gtttggtgtc 840

gcggctgata acgttgcctc gagcgcgaag acgagagagc ggttgggttg gactcccgag 900
ggggcaacgt tgatggaaga tatcccggct attgttgact ttataaagtc tcaagcagtg 960
taa 963

<210> 18243
<211> 1167
<212> DNA
<213> A.fumigatus

<400> 18243
gttaagtgcg gatcctgcca ggcccgtggt gaagacaagt ttgacggcga aaagtgcgtc 60
acgacttctc tcgagcagcc actctgcgaa acctcactgg agctccgcga cggctactgc 120
atatcagaag agacgcccat ctgcgacgtg ggagtatgga atggacagta ctgtctgttc 180
gatgaaacac cgcactgtcc gtctcctact cggttcaatg gtgtggaatg tgtctccacg 240
cagcccccga cctgtccgcc aggctcgcat gtccacgcta accagtgccg tggcgacaag 300
ccagcgagct gtccacctcc cttgcgacta gtgaaagatc actgtgtgga cgccacacct 360
ccagagtgcc cgaccggctt cactctcgta gggactgtct gccgctcggt caagccgcct 420
cattgccccg acggtcaaat gtactataat gggaactgca tcatcccaac catccctcaa 480
tgcccggacg gattcccacc cgtgggcgac aagtgccttg cagacgtcca gccggaatgt 540
cccccaggct tccgagtcga gggcaagaac tgcgtttcca ccgagaaccc cgaatgtccc 600
ccggggctcg atcgggtcgg cgcagactgc gtccatcgag gctctccttc ctgcgctcca 660
ggtacagtgc cagacggaaa ccgatgcatc tcgctggtcc cacctcaatg tcccgacggt 720
ctcgtcccgc gaggcagcga atgtgtggcc aacgataacc ccgaatgtcc accgggtttc 780
cgtttcctcg acaatcactg tgtctctgag aataagcccc aatgtccacc gggatctacc 840
ttggtcggcg aggaatgtgt tgttgagaag gcccctgact gtccgcccgg tacggaattc 900
cactctggga tgtgtgtctc gacgaagcgg ccggaatgtc ccccgggcct ggagttgaag 960
aataataagt gcgtcaggac ctcggagcct gagtgtcctc ggggccagaa attcaatggg 1020
tccttctgcg cgtccacgga tgatccacag tgtcctgagg ggacaagcta tgatggagcg 1080
aggtgttccg tcaacgccaa tctttcttgt tatgagcttc aatactgtcc tcctactgct 1140
ccgtcccgga acgttttggt gaagtaa 1167

<210> 18244
<211> 627
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (158),(374)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18244
gtggaagggg tcaatgcatt cgactacatg gttctggctc ggatgatcca cttcttcgtc 60
ccggatcgtc gaataggcat cttcaaaccc tccatgctcg ccatgatctt tgtcgtcctg 120
gacctgggat cctttgtcat ccaattgaca ggaggtanca tggctggtgc gggggcggac 180
cacgacacca tgatgaaggg aattcacatc tacatgggcg gcatcggtat ccaggaattc 240
ttcatagttc tcttcctctt cattgcgatc caattccacc gccagatgct ccatctcaat 300
cggcatggaa gactcgttgg acccaaggca aaatggagaa gcttgctata cgcgttgtac 360
gcgagtctgc tgtncatcac ggtgcggatc atcttccgcc tggtggagtt ctcctcgggg 420
aatgacgcgt cgaatcccat cctgcagcat gaatggtaca tgtacgtttt cgacgccgtc 480
ccaatgtggt ttgccattgt ggtttggaac gtggtgcatc cgggggctat tatcaaaggc 540
cccgacgcaa agatgccgcc tagcccccct gcgcaagata ttatgctgcg ctttttgttg 600
ttccggctgc agaaagagga agaataa 627

<210> 18245
<211> 231

<212> DNA
<213> A.fumigatus

<400> 18245
tgtcccgcgc acgttcgggg caagctgacc acctgtagat gtgtggattt cacaattcct 60
ctcggacagg tggactatga ctcgccggtg accatggtga cggagcagtg gccggtgacg 120
atcaacatca ttgctcgccg ggggtgcgac tttatgctgt tcaatatgat caagcagctg 180
gctgaagaag gtgtgcttcg atctgtcacg actggaagga cggctttgta g 231

<210> 18246
<211> 528
<212> DNA
<213> A.fumigatus

<400> 18246
tttgaaccag cagacatcca tggcactggt ggaatccggc cccatccagg gagccatctg 60
gaatgccatc gtcgaggtgt ctgccgcagc caaggtcgat cctcggttga tcctggcggt 120
agtgatgcag gaggtaagtc cgagcctgta ctctttctaa ctattgctaa cacctcccag 180
tctagcggta atgtttacgt tggctgcacg aataacggcg tccaaaattg cggcctgatg 240
caggcctacg cggggtctgt gtcgttcaac cccaacgatc cacagggaag catcacccag 300
atgatcatcg acggtacaca aggcacagca caaggcggtg gtctcgttca atggttcaac 360
aatgagaatg ttggggcaaa caccggtggt aatccgtaca atgtgctccg gggctacaac 420
tccggcagca tcaactttaa tgatctggac gatccccaag gcgctactgc ttcgtatgtc 480
agtgatgtgg ccaacagatt gcaggtgagt tctgtctgtc aaaattaa 528

<210> 18247
<211> 1926
<212> DNA
<213> A.fumigatus

<400> 18247
ggaccgacca cagtctttag gaaccgccaa gttggttctt acgaggagcg tcccttcaac 60
atgaaccctt ggaaatctgt ttttgtcaaa tgcttgtttt tctgtacggc ggtatctgga 120
atatccaaca gagagattcc catgactgat gttcagccat ccgctcaagg tattacatac 180
gaactcggca atgtcacata ctttgccaac atcgaacatc ccagggcaat tttcgacttg 240
gactatacca ctacttcccg acttgtgcca tcagcagtcc ttctggtgaa ccagagtctg 300
gtcaccggca gctatttgaa gtctaccatc tccagttacc ttaccgacga tgatgtcttc 360
tcggccgatt tcttgcacgc aatctatttc acatcaacag tcccaaggtc tagattggac 420
tcgacggcag aggaatatct caggagcctc ggtgtggctg gtctgctatt caatgcgagc 480
tcttttgatc gtatcccgag caatggatat gcgctgaagg aggaccatga cgcacccctc 540
ccaccaggtc cgtttaccat tctcgtcaac aatgggtcca tctcttttct tgatacatac 600
cgactgtatg tcgacaactt tcgcaccttt gtcacgggtg tatattcttc caacgacggg 660
gttggttcat ttgctgcgct acctgcgatg aatccacggc tcgggggggcc actgattcct 720
gcccccagtc ggattcattc ctggaatgac gatagaccac tggcagggaa gcgagttgcg 780
gtgaaagacc tttttgatat caaaggcctt cagacctcag ccggcagcca ggcatggatc 840
catgtcacac cgattgccga ttcgactgct cctgccattc aacgcttgat cgaccttgga 900
gcggtgatag taggaaagtc caagctagct caatttgcat cggctgcaga tccgtggaat 960
tggactgatg aacaggcccc cttcaaccct cggggtgacg ggtacctgac ctgctcggcc 1020
tcatcctctg gaggcggatg cggaatcgct gcgtacaatt ggtttgacgc ggcaattgga 1080
acagatacgg gttcgtcgat gcgtcgtcca gcgtcggtat cggggacgtt tgggaaccgt 1140
cctagccagg gtatgatgtc gcttgagggt gctgttccgc tgaatgcagg agaggatacg 1200
gtcggggtct tttctcgtga ccctgtggaa tgggccgagt ttgccaaagc ctggtatacc 1260
cctagcctgc atcaagatcc ctccatcaac agtctgcccc ctctatcggt accagataca 1320
acagcatttc cgaagcggat cttgtatcca gtggagtatc ttcctctggc gaatccagca 1380
gcgcaggcca tcctcgagaa gttccttcac ggcatgataa gggtgtttaa catgacgatc 1440
gagcggacga atttcaccgc gaccgcgagc aacgcatcca tttaccctgg ggccgctggg 1500

gatgccatgg tcaactggaa cctcttatac gacgctgggg caacgctaca gctgtggacc 1560
cagtcaacca aggtctacgg accgctgatc tccacctggg ctgcgaggaa tgacggtcgt 1620
ttccctcccg tcgacgcgca gtggagggag gcatggacta gatatgatgc cagtcatatc 1680
acgcagtccg ggtacgagca ggccttgcac acgaaagctg cagccgtcaa ctggtttcag 1740
gaagaagtct tgtacgagac ctctgactca tgctccgagg ctgtgatgat ctgcgacgga 1800
ggcaccggag gattgccgag tttccgtgag caggcgttga acaatagccc caacgccact 1860
ttcatgagcg tgtttccaga gcatgcagac gtgtcttgca gcggtatctg tactttattt 1920
gggtaa 1926

<210> 18248
<211> 642
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (30)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18248
tgtccacgta cttggcgttc ggcggtgaan aacatcgggg gctccgccac actgttcctc 60
tatggaggct gcgtctggac gtttttcaac cacaatggtg gatgtaacgg ggactgccag 120
gcgaacgccg ttcgtatcct gtcgtccgct ggctcggtgt atctctacgg caccaacgtc 180
aaggcgatca gcaacatcgt cctcgagaac actgctgccg ctgccaagga aagcgacaac 240
tctggtggat ggggcggggt cgtcgctgcg tatcttcaca atgtgggctc cggcagtcgc 300
acgcgcaggt ccagcaatgc gaacggtgcc gcggtcaccg gtaacgggtt aaactggtat 360
agctcttctc tgaccagcgg cgcatccgga taccaggatc ctgaatacta ctactgcttc 420
cgcggatcgg ctgctaactt cccgccaatc cagaactgga tgggcttcac ggcgatgttt 480
gatttgaacc agcagacatc catggcactg gtggaatccg gccccatcca gggagccatc 540
tggaatgcca tcgtcgaggt gtctgccgca gccaaggtcg atcctcggtt gatcctggcg 600
gtagtgatgc aggaggtaag tccgagcctg tactctttct aa 642

<210> 18249
<211> 276
<212> DNA
<213> A.fumigatus

<400> 18249
agaaggtgtg cttcgatctg tcacgactgg aaggacggct ttgtagcaag gtctaaagac 60
tctgttttca ttctaactac caacgaggac aatgatttga tcctaggcta caagaggaac 120
aggcgcacta gacagtatct agaattgatg acttgcatag tatgtagtta tttcctagag 180
cgcaatgaaa gacgacaaat gactgaatca ctcactcaga acgcgagcta ccaaaaggac 240
aataagccaa atacacgtca cagggatgcc gactga 276

<210> 18250
<211> 402
<212> DNA
<213> A.fumigatus

<400> 18250
ggggggggag ggacgcgtta ccttccagcc ccggcgttaa gactccggag cgtcgacgaa 60
accgacacca agctgtctcg cgagccacgc cgcattcgaa caatatccga gtcgcgccca 120
actggctccc tcatatcacg gaagtcgcgc ggcggaggcg gcggcgaacg ggagcgacca 180
cggccaaaac cgatccgcga atctcgagga tcgaagtctc gctcgcgtcg gggccagtcc 240
cggtcaatat ctcgacgaaa aggtgggggt ccatcgcgag gatctcgaaa atcccggtct 300
cgctccctgt cccgatcccg agggtcacgg tcgcggtcgc gaaactcagc ccgaccaggg 360

aagcctcgac ctcgaccacc aaagggagcg ccacgaggat ga 402

<210> 18251
<211> 924
<212> DNA
<213> A.fumigatus

<400> 18251
tgtggacagc gagcatatcg tcaccctgaa acaggagaga aaaccacgat attcctcggg 60
tatacctcta atcttatctc ctccggtcta cgtgacacca tccgctatct cgtccgtcac 120
cgccatgtct ctgccatcgt taccacagct ggaggagtcg aggaggatct gatcaagtgc 180
ctagctccca catacatggg gagcttctcg acaccaggcg ccggactgcg ggccaaaggg 240
cttaaccgga tagggaacct catcgttccg aacagcaatt actgcgcgtt tgaggactgg 300
ctaattccca ttcttgacaa gatgctagag gagcaggaag aggcgaagaa aaaggccctt 360
cggacaggag acgaggagga tgaactacac tggacgccta gccgcgttat tgaacgcctg 420
ggtcgcgaaa ttgacaacga ggactcggta ctctactggg cggcacggaa caacatccca 480
attttctgcc cggcactcac agatggttcg cttggagaca tgttgtactt ccatacctat 540
cgatcttccc cgcagcgatt gcgtgtggat atcgtcgacg atgtacgccg catcaacacc 600
atggccgtgc gggcagcccg tgcaggaatg atcatcctcg gaggtggtgt gattaaacac 660
cacattgcta atgcatgctt gatgcgtaat ggtgctgaac acgccgttta catcaacacc 720
gctcaggaat ttgatggcag cgacgccggt gcccggccgg acgaggctgt cagctggggc 780
aaaattaagg ctgatgctaa tgcggttaag gtgtatgcgg aagcaacggt ggtcttcccg 840
atgatagtgg gccgcctctt ttgcccggtc cagcccaact ccatcggccg aagactcgga 900
caaccacaac tgagaagaca atga 924

<210> 18252
<211> 261
<212> DNA
<213> A.fumigatus

<400> 18252
ctttctatct cctcctcaaa gatgacaaac tatcactcag ggtcagcaga ggctttgcct 60
ccgtcatctg ccaccaatgc cgtccttgtc gcctccgaac ccgtccccaa agggtcacac 120
gaggttcgcg gcgtcgactt tgatcgtttc caagggcgag atattactgt tgcagaactg 180
gtcgacaaca tggtgcatat ggggtttcaa ggaagcgccg tcgcggaggc cacacgtatt 240
atcaatgaca tggtaaaatg a 261

<210> 18253
<211> 624
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (611)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18253
gtctttcgtc gagtttctgt ggttcgagga cgaagcgaga tggagatgct gaccgtcgca 60
gacgattact gggagaagaa cttccaccca gatctcgacg atccagagta tcggcccgtt 120
gaaaaaggcc gcctgacatg gaagatcaag ggcgtgcgag ggaccaaaga cgcgcccaac 180
cgcagcaaga tcatgcgttc ccctcctgct tacatcggcg gttactggtg gacaatcaag 240
tttttcccac gtggtaacaa cgtgggttcc ctgagcatct acatcgaatg ttccccgact 300
ttgcctcagc ctgacaagac actgccagag accgagatca aagtgatgcg gggaccggcc 360
gattcggggc tcaacaacgc cgctcccgag ctggacatga agtttgctcg aactgaagac 420
acggcaagtt ggcatgagca gttcacggca cagtatcccg cagcggctgc cagcaggcaa 480

gatcctccaa aggacacctg gagagtgtcg gcacagattg gtgtcatttt gtacaacccg 540
gacgagcctc gcacgggttg gatgcagtcc tcgtgcgacc aattcaaccc gttttcacag 600
cgacggtcgc nggacagtag taat 624

<210> 18254
<211> 420
<212> DNA
<213> A.fumigatus

<400> 18254
atacggattt taccctcttc cgcaatggat actcgcatgg ataccgcggt taccgtggag 60
cagctccccc ccgcggtcac gctgagtgtc gatgctccct cgtcagaaac agtcactgtt 120
ggcacagagc ttccggagcc taccagcgaa aacaacgtta cagagatccc tgaaaatact 180
cctctagata acgtccatcc gcagtcacat gaaccatcag atccaattcc tgcaccccaa 240
ccgccgcaac ctgagctcga gcatgcatac tgggccgaaa tcgaggagga cacgtcggta 300
cctgatgagg cggagatgaa ggaaatcgag tcgacagcgg atggggacta tagtgcttac 360
gagtgtaggt ctttcgtcga gtttctgtgg ttcgaggacg aagcgagatg gagatgctga 420

<210> 18255
<211> 642
<212> DNA
<213> A.fumigatus

<400> 18255
aagtctccaa caggcttttg tacaagctca cacctaacct gttgcaggct gcctgccagg 60
ttaccttctt tcaacctctt tagttatgac ctggtgatgt cttcgcgata tcctccatca 120
tctgggttca attcccgtga ccgttctccc cagcgttttg gtgaccgtcg ccctcccgct 180
ggccctcgtg gctccgacga tgcaagcctg gctccattgg gcagagagcc cccgcgcggc 240
cccaaggccc tgatcgatca tcctcgtggc gctccctttg gtggtcgagg tcgaggcttc 300
cctggtcggg ctgagtttcg cgaccgcgac cgtgaccctc gggatcggga cagggagcga 360
gaccgggatt ttcgagatcc tcgcgatgga cccccacctt ttcgtcgaga tattgaccgg 420
gactggcccc gacgcgagcg agacttcgat cctcgagatt cgcggatcgg ttttggccgt 480
ggtcgctccc gttcgccgcc gcctccgccg cgcgacttcc gtgatatgag ggagccagtt 540
gggcgcgact cggatattgt tcgaatgcgg cgtggctcgc gagacagctt ggtgtcggtt 600
tcgtcgacgc tccggagtct taacgccggg gctggaaggt aa 642

<210> 18256
<211> 330
<212> DNA
<213> A.fumigatus

<400> 18256
tgctggggag ctgtttatat tgcaatgaca atgttccatg gcagatatgc cgcccgccca 60
cgtgagagaa cctcccgctt tcagattggc gataaggatc agaaggcgat gggtttcctt 120
tgtcgatcga ggtgtagcac acagtcatgt aagataataa atttcctttt ctttttcagc 180
gagtcggctg gtgagaagta ttatatagga gtcaacgtgc ttgattcgac cctgtccttg 240
cagtcaaagc acatgcaagc atattctaca tcatttgcgg agaacatcta cacgccgcgc 300
gctcttgatt tctacccgca cgcggtgtag 330

<210> 18257
<211> 576
<212> DNA
<213> A.fumigatus

<400> 18257
atagagtctg gaagagcagc attcaaggta aacctaaaga tggcagctgc aagaagaatg 60

tttggcggcc ggaattgtcg tgggccccag ccaatgaggc gccccgtgat tccgatcgct 120
tgtcgtagaa agctctttcg acccgtatgc cgggcctccg ttcaacctca tcgaattcct 180
cccgtcgtat cattcaattg ctctcttccc ccctcaactc tcctcccctc cacccacctc 240
cccgcaatca ttgcgattga tagtctcatc atgtcgcttt cctccgcctc aagcactctg 300
ctgcgcgctt gcgcccgcca gcagctgccc accacccgcg ctgctgtcgc ctcctgccag 360
caacggagag gactgtctga ggcctccaag tcctcctcct tcgatagccc tttcggcaac 420
tcccacgagt accagtcgac cctgaagatt cccagtttca gcaaatacgc ttccaacaag 480
ccccctcgct cgaaccaggt tttctcctac ttcatggccg gagccctcgg tctcggatct 540
gctgttggtg ccaaggctac tgttcagggt aggtga 576

<210> 18258
<211> 216
<212> DNA
<213> A.fumigatus

<400> 18258
acggttactg atagcgaatt gctccatcgt gaaggtgtct gcactcacct tggctgtgtc 60
cccattggtg aatccggtga cttcggcggc tggttctgcc cctgccacgg ttcccactat 120
gatatctccg gccgtatccg gaagggtcct gccccctttga acctcgaggt tccccagtac 180
agcttccctg acgagagtac ccttgtcatt ggttaa 216

<210> 18259
<211> 321
<212> DNA
<213> A.fumigatus

<400> 18259
cgaatgacag ctaccgccgt ttctcgaatc gataatctgg agtttcttgc cgacgtgata 60
cccaaaacaa ctacctataa acaattcaaa gagaagaaag aaaaagaagc caacaaagac 120
gccgctttcg agaaaggaca gcgcacattg aacggcacaa tgccttcgat gatcaaagaa 180
aacggcgagg gtggtcaaca gaaagcggat aagccttcta taagccctcg agctccgtct 240
ctcagtacgt tgatggctga tcgcactgtc gaggcgcaaa caggagaaaa cgaccgtgat 300
gtcgaaatgg tagaccaatg a 321

<210> 18260
<211> 246
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (130),(225)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18260
aagtcgcttc ggaatacaat cgcgggcgat tcggcgattg gggtcatttg gtatcacgtg 60
gagcaggttg ctgatatgca atttttcctt cagaatttct ttgtgaacat gtccgcctcc 120
gccgatgtcn tggctcaggc caaggttgaa atcggtctcg attcgatccc cgagggcaag 180
aacgtacgtg tcccgtttat tcgccaagca tcacgcacac ttcgntactc cgaaaaccca 240
tactga 246

<210> 18261
<211> 366
<212> DNA
<213> A.fumigatus

<400> 18261
cctaccaatc cacaggtcat tatcaagtgg cgtggaaagc ccgttttcat ccgtcaccgt 60
actcaggacg aaattcagga ggctcagcag attgactgga agactctccg tgatcctcag 120
cccgatgagg accgtgtcca aaagcctgag tggctggtca tgcttggtat gtcgtcacgc 180
catctgattt tgctctatgc ttttgaacgg ttactgatag cgaattgctc catcgtgaag 240
gtgtctgcac tcaccttggc tgtgtcccca ttggtgaatc cggtgacttc ggcggctggt 300
tctgcccctg ccacggttcc cactatgata tctccggccg tatccggaag ggtcctgccc 360
ctttga 366

<210> 18262
<211> 963
<212> DNA
<213> A.fumigatus

<400> 18262
ttattcggac gaacagagga acgactccga gaagcccgtc aacgggtccg agaagcgaaa 60
aatgcctacg cagcagccat aaaccgacgt tctgcctcgc aacgcgaagt caacgagctc 120
ctccagcgga aacacgcctg gtctgccgct gacctagaga gatttactca cctttaccgc 180
aacgatcaca ccaacgaagt ggctgagatg gagacacagg aagccctgtc ggccgcagag 240
cgcgagtccg aagaggcagc ggcgcaattg agcaagagca tcctctcccg ctatcacgag 300
gaacaagtct ggtcggataa gattcgccga atgagtacgt ggggtacttg gggcttgatg 360
ggtgttaacg ttctcctctt tcttgtcttc caaattgctg tcgagccatg gcgtcgcaaa 420
cgactcgtga agggcttcga agagaaagtc attgaggcta tcgagaagga gaaagccatc 480
aaccacatcg agatattgaa acctcagcct gctcttacat ccacatcgcc ctcgtccaag 540
gaggaagcag cggagccaac acctacttca accgctgctg gagacactcc aaccaccgat 600
gaaagcaccc cagctgctac ggatgaaact atcacatccg aacctgttgt ctgggactcc 660
gatcctatac ccaccttcgt tacaaatata accgctgaaa tcgcaacaga aacgacagag 720
gacagcgctc ccaagagcgc aacgatcaat ggcgttgagc cccgcaaatc tcaactctcc 780
cgcattcttc ctccacttcc tcctcctacc tccctcgact catggcgaca caccctcaat 840
gaactattca gtgatcgcag tatggtcatt acacagcggg atttgaccac tgtcgctctt 900
cagagcgctg ctgcgggtgc agcgatcatg ggtctagtga ttgctttgat tcggccccgg 960
tga 963

<210> 18263
<211> 579
<212> DNA
<213> A.fumigatus

<400> 18263
acagctcccc agcatcacgt ccacgctgac tatgctctta ccgcaaaaga gaattgtggt 60
atgagctcga tgcctggctc gtcgaccgct ccgcgctcac cctcagtcct gtctgagcgt 120
cggagttgga gattatcagg cttatctgtc acctcgcctg ttgaccctag cccacccgac 180
gacaatggcc atccgaacgc gattaccgat gagatcaggg aaataaagcg atatgaggat 240
tttacaacga ttgattgggt ccaagatgct atacaggaac aagcgcgacg aagggcgaag 300
cgacgagatg ggtctgggtt ctgggatcag gaaggcacat ttggttggag gcgcaaagtg 360
agcgagtctt atcacgctgg gcaagcttgg ctcgtcatta caattgtcgg cgccgctatc 420
ggattgatct cggctgtatt gaacatcatc actgagtggc tgtcggatat caagttgggt 480
cattgtacga ctgcgtttta cctcaatgaa cagttctgct gctggggtgc tgaaggaggt 540
atgcatatcg cttatgctct atattcatgg tggagctaa 579

<210> 18264
<211> 480
<212> DNA
<213> A.fumigatus

<220>

<221> unsure
<222> (66)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18264
ggtggtttcc aagcatattt ggcaccaatt aacaaattgt tttcagtggg attcaaagta 60
ggattntgca cagccgactc gatcatcaac cttgcacttt gctgcctagg ctatgttccc 120
ggtcttctac acgcatggta catcatactc aagtaccccg aaccagacta tgatgatccg 180
aactacgagc ccattcctgg ccatgccggc cggagacagg acactgaaag tggtcgtgtg 240
acatactact acgtctctca tcagcccatc cagcatccat cccagagaag ttatggcact 300
gttacaccgc aaaatcaacc agcgccgagt cctgctccta aacctcagca gcaagctccc 360
aagccgcatc atgaggaagg acagggagga agcagtgacc atgctcaggg tgactcccgg 420
ccaccaccaa cctatgccga agctgtcaag ggagaccaca aggtgcagac gcatgattga 480

<210> 18265
<211> 579
<212> DNA
<213> A.fumigatus

<400> 18265
ttggccatgc agcccatgcc actgcttttg aggcagtcgc ttaggtcatc tgccaatttt 60
gcgaggactt cgctcccaat acggccacag tttctacccg ccgctgggcc gaaccttcaa 120
cctgcacaag agatacagcg gagcttctcg gtctgtgtac gatgccagtt caggtcgcaa 180
tcgccgttat attcatctcc tgagaaagac acatcaaaag acgacgcagc tactcagcag 240
tcaaaagatg gaagttcaac gctgacgccc ggcgatgaat cggcaaaggt agagccggat 300
gcagaaaccc aacggccttc tccggctgcg ggagagcagg acactttaca agggttctat 360
caagatgcga agaacgaacc gaaacgtgaa tcagcagaga agaagggact accttcgtac 420
ctggaagaac gccggtcaca attgtccaaa caatttaccg agatgatgga taacctccaa 480
tccaacattt tcgtggctgg ccagcgattg aacgatttga caggctactc cgccattgag 540
gcactcaaga aagatataca attgcaaggt gggttttga 579

<210> 18266
<211> 738
<212> DNA
<213> A.fumigatus

<400> 18266
atcttcgatc cccagtctgt actaatgaac agtccaggtg ggcgaaaccc tgagtttttc 60
caatcactct cgggtctgtt cacttctaga tcagagagac gtcgatccat tacttcaact 120
acagtcaata ctgatcgggc agtcgagcaa tttcctagac aaagccaaaa tcgtcgcatt 180
tctatactaa gaaggctggc ggggccacgg gagaacgcaa agcgcttcct ccgcttgggc 240
gcgccgccca gtaactgctc accatcgccg ccacttacca acactgcttc cgctaccgct 300
acccacctga tgtctcggac agtgcgacca cgtcctgtgt ccgagataat agtttctcct 360
catgacgcgc aaattttagt ttctgcagca gcggcgagga ggatgcgatc cgattcttcc 420
tctacggtgt ctatgagttt aggtcctgca tcggggcaag atactccatc agcgtcggat 480
gcaacggcgt cgttccctgc tctccgccat gagaagattg tcgcaacggg gagcggtatc 540
gctgttggga ttgctctaac agagcccgtc ttgtttcttc aaggttatga tcagaatgac 600
ccgagtacta agaaatccgc catactgcgc gggcagctgc acttgaaaat taccaagagc 660
gtcaaagtta aaaagatctc gatatgcttc cgtggtcacg ctcagactga ctggcctgac 720
ggtatgtttt cctcgtaa 738

<210> 18267
<211> 345
<212> DNA
<213> A.fumigatus

<400> 18267
ttttcattca cgggttcaag gttcgttcgc ttctcgaatg ttttcgttgt tttcccgtgt 60
tatcaaaggt tgggaaactc gatcaggcct catactaaac atctgtttct tataaagggc 120
gatgacaata ccttcgccaa ttttccagat cgtctacgtg ctgtagttgc tcgtgcactt 180
cccgcaatca aggtcactac cgtggtgtat cccaaatatg agactcgtgg tggtctgaag 240
gaatgtgtgg gaaaattccg ggaatggtat gtctatgtcg agatgacggg cttggactgc 300
tcactcttta tttgcgatct cgctgacacc actctccttg agtag 345

<210> 18268
<211> 255
<212> DNA
<213> A.fumigatus

<400> 18268
aattctttcc taggaattcc gccgaagaag atccattttc atgacaagaa agacctggtc 60
actcacggag tgatatactt taaccacggg gatactgccc tcatgcagaa cgattacgga 120
gcacatttct accaacacac taaaccggtg acctcggtga caggtaaaga tgggtcgaca 180
acaacaaccc gggaactctt ctccaagagt ggatcgtccc cgtccctcaa ccagtcgacc 240
gcgaaagagc tctag 255

<210> 18269
<211> 834
<212> DNA
<213> A.fumigatus

<400> 18269
cgcctctcct tacaggccaa ccatgcatac tcgcgcagct ttggaaagaa cgaaatgccg 60
tccagcaatc agtcgcatca ccagcgcaat tataggatgt tccccattgg cgactacctg 120
tataactttg aatttcccat cgatggctct cttcccgaga cgattaagac cgatctaggc 180
tttgtcagat acgatctaga agccattgtt gaacgtgcag gcgcattccg gccgaacctg 240
atgggcacct tggaagtacc tgtgattcgc accccggccg agggatcgct ggagcaggtt 300
gagcccattg cgatttctcg gaactgggag gaccaactgc actacgatat tgtcatatca 360
ggaaagtctt ttccgctagg ctctcaggtg cctatcgcct tcaaattgac ccccttagcc 420
aaggttgagt gccaccggat caaggtttac gtgacagaaa acattcaaca ttggacggcg 480
gacaagagcg tgcaccggct gcagccagca aagaaggtgt tacttttcga gaaacgagcg 540
gattccgcca gtgtgagcac ctaccctggc agctcgatgc gtgtcactgc aggtggcggc 600
attgattggg atcatcgtgc ggccgctgcg agaggcgagg agatagtgga tcgtaaccgg 660
acgaatctac taggaaatct ggcaaatgat tcaggcgttg gcccgaccga aatggagttc 720
aacgttcaac ttcctagctg ccacgaaatg aagaatcggg atgaatcgca acgattgcat 780
tttgacacga cgtacgagaa tattcaaatc aaccactgga tcaaggtaag atag 834

<210> 18270
<211> 651
<212> DNA
<213> A.fumigatus

<400> 18270
attgtgctgc gtctttccag acttgatgag cgcgacccaa ataagcgtag acacttcgaa 60
atctccattg attctccctt ccaccttctc tcctgcaagg ccacacaagc caacatctac 120
ctccctgcgt acaccactcc gagctccgag ccgggtctgc ctgcgcaaga gtacgaatgc 180
ggctgccctg gagcggcaat ggtcaacagg aacagctcga gcagccaact gctagtgtct 240
gatcgggaag atgcaccaaa tggcggcacc gtatctcgca gcttcaccaa cggatctggg 300
ggcttggctc gtcctccgca agcccatctc gcgcatgaag cgaatgagcg ctttccccgt 360
cctatgcatc ttcttcgggc gccatccttc gctcctcctg cgtttgaaga cgttccacct 420
ccgccgccgc taataacccc acccccagag tacaactcaa tcgtgggcaa caacgacaga 480
gatgctgtcc tgcaggacta tttctcgcga ctatcattct acgaggaagg tgacggagat 540

gagcgtggcc gtggccgtgt cgacgtaccc ctcacaccag gaggccgcgt gaaccgcagc 600
atggatgttc ctcgggaatg ggtgcgactt ggagaacccg ctgtccaata g 651

<210> 18271
<211> 261
<212> DNA
<213> A.fumigatus

<400> 18271
ttgggcgacg atcaagtgta tcttctcgag agaggctccc gaccggatga cattgataat 60
gacgtcgacg tctgtacaat tgccgtgccg aatggctgcc agcagctgct gcacaaattc 120
gcgatagtac gccaactcct cctggatgcg atctcgcgca accttacgac gtttgtcggc 180
atactcgtcg acgatgcaat ctcggccgtg gagggcgcat tcggaacatg gggcaccggt 240
cgagtttgca ctgcacttta a 261

<210> 18272
<211> 300
<212> DNA
<213> A.fumigatus

<400> 18272
gttccagatc atgaatcatt attcaggatc gcactcagcc cagcatcggg ggacgattcc 60
agaggcccac catttggctc gttgacaacg ggagacgctt ccgcagatac gccatccggc 120
tctttcgcat cgggagacga gttcccagat acgccatccg gctctttcgc atcgggagac 180
gagttcccag atatgccatc cggctctttc gcatcgggag acgagttccc agatatgcca 240
tccggctcct tgttcggatc gcagaccctg atctcaaggc catcggcctc gttggtatga 300

<210> 18273
<211> 213
<212> DNA
<213> A.fumigatus

<400> 18273
cattgggttg taattaaatg cgggatatcg agttgcgctg aatacctcaa tgccggctgc 60
tcaagatcag gtctcctagt cgaccacccc gtcacgtgct cctcggtcga cgccgaagtc 120
tcctgcaact acagcttcaa agtcgcgaag gaagagttta cagatcgatg gtggaaaatc 180
aagtccacag caaagttcca gtctgtgaat tag 213

<210> 18274
<211> 597
<212> DNA
<213> A.fumigatus

<400> 18274
atacaccatt ctgacatgct gctttctcta ctcgttttaa agtgcagtgc aaactcgacc 60
ggtgccccat gttccgaatg cgccctccac ggccgagatt gcatcgtcga cgagtatgcc 120
gacaaacgtc gtaaggttgc gcgagatcgc atccaggagg agttggcgta ctatcgcgaa 180
tttgtgcagc agctgctggc agccattcgg cacggcaatt gtacagacgt cgacgtcatt 240
atcaatgtca tccggtcggg agcctctctc gagaagatac acttgatcgt cgcccaatca 300
ctgagtcata ccaacgaggc cgatggcctt gagatcaggg tctgcgatcc gaacaaggag 360
ccggatggca tatctgggaa ctcgtctccc gatgcgaaag agccggatgg catatctggg 420
aactcgtctc ccgatgcgaa agagccggat ggcgtatctg ggaactcgtc tcccgatgcg 480
aaagagccgg atggcgtatc tgcggaagcg tctcccgttg tcaacgagcc aaatggtggg 540
cctctggaat cgtcccccga tgctgggctg agtgcgatcc tgaataatga ttcatga 597

<210> 18275

<211> 582
<212> DNA
<213> A.fumigatus

<400> 18275
gtactctata tgaggaacag aggcctggcg acccaggaga atttcgcaat gaaaggtgag 60
cctctacgga ctcacttcct tgtctacaaa tactcagaaa ctaccagcga acgatggtat 120
gcagcgtcca gatgggtctc ttctatggaa tccggacccc cgcggttgga gagtgtccaa 180
gcacgattag gtcaatgtct ctacttactc tcatcatcgc gggccaatga atgctggtat 240
accttcggca cggctctcca gctggtgacg gctctcggat tgcatcgaaa atggccggcg 300
aaaatgtcca agcatggcaa ctcgtacttg gagcaacaac tccgcaaacg gatttttgg 360
agcgcctata cgctggacaa atacctcagc gtcatgtttg ggagaccacg gttgctgcat 420
gatgaggata ccgaccaaga acttccggac gaaatcaatg acgaggatat atcagaggaa 480
gatccgcggc gccggaccgg ttcaccagat tccatgatga ttgcgtccgt gcttcattac 540
aggtttgtca atcgatttta cgctatctct tcatgcaact ga 582

<210> 18276
<211> 267
<212> DNA
<213> A.fumigatus

<400> 18276
gtcataccaa cgaggccgat ggccttgaga tcagggtctg cgatccgaac aaggagccgg 60
atggcatatc tgggaactcg tctcccgatg cgaaagagcc ggatggcata tctgggaact 120
cgtctcccga tgcgaaagag ccggatggcg tatctgggaa ctcgtctccc gatgcgaaag 180
agccggatgg cgtatctgcg gaagcgtctc ccgttgtcaa cgagccaaat ggtgggcctc 240
tggaatcgtc ccccgatgct gggctga 267

<210> 18277
<211> 216
<212> DNA
<213> A.fumigatus

<400> 18277
gcagccggca ttgaggtatt cagcgcaact cgatatcccg catttaatta caacccaatg 60
tcaccagctc ccgtttttttc ttttttttaac tggcatgggg gatttttcac ggccctcgcc 120
actggcagcg gtggagtacc gtcatcctct caagtcacca accccgcacg tctccaaact 180
ttgaccaagg cactaagact aagaaagaga cgatga 216

<210> 18278
<211> 981
<212> DNA
<213> A.fumigatus

<400> 18278
aaaaccgact tgtgccgagt ccctgtctca ctttccggac caatgagggc ttctctaatg 60
gacggggtac atacgcacct ctcacccgga aacggcaccg tcgtcggaat gagcacagat 120
ggggcgtacc ttgctggccg gaagcgaaag gcatctgact cgtcgtcgcc agcaaccaag 180
ggccctgtgc aacgccagaa gattacacga gcatgcgatt actgcaagga gaagaagacg 240
cggtgtacgg ggacactgcc gtgtatgaga tgcacccgcc ttgcgctacg ctgcgaatac 300
aatgctgcgt actcgcgagg cttacccccg gctccgttac cggcgccgcc gtcgtcgtca 360
ttgctggtga actatgcgga tgaggaccat gcgcggggag atactcgtac tgcgcggagg 420
tccgtctctc agcgatcgtc gagagagtcg cccaggactg gcgtgggttt gcgatcgcag 480
catggcagag ctggttcgga ggcgtcactg cgtgattcgc cggagccggt tgtcacggac 540
tttgagggta actatctcgg gccggcgtct ggagtgtcgt tcttgaaacg cgtctggagt 600
cgccttcatc aggatgagtc gtcggctatc cctggcgaac tgcaagatga aaatgtctcc 660

aggaatacgt ccgttttcaa gttcggggat aagccttatt cgaactacca ggaggctggc 720
tttacgttac catctttcga gaaagctcgg gagctggtgg gcatttactt tgacttttcg 780
atagtgactt accgtttctt gcatagagga agcgtggagg aatggctcaa gcaggtttat 840
gcagacaata tctgttttgc gaatccgcct accggcgtta tggtagcccg gactgccatc 900
atccttatga tcttcgcagt aagtactcta tatgaggaac agaggcctgg cgacccagga 960
gaatttcgca atgaaaggtg a 981

<210> 18279
<211> 1170
<212> DNA
<213> A.fumigatus

<400> 18279
tcactcttgc gagatactct atgcatgctg acaggttctg attctctgca gccccaacgg 60
attcgcgtcc gtacggacga gaatgctccc gtcgccctgc ctggcaacaa aacaatccat 120
caccgaaaca agtccactcc cgccttatca gcggcctttc agaatggcac gactagaaat 180
ggtctcagaa gggctgcatt tggcgacgtc agcaacactg ccaatctcgt caaaggaagt 240
cgggatgatg cctcccttgc gggaaagaaa caagtcaaag tcgtggagaa ggcgcccgca 300
gttgtcccag ccagaagaac gaccattctc tcgcagcctg cccagcgtcc tatgtcgatg 360
actagtctga aaggtttggt gaataatgcc tccaacctca aagctcttga gccgtctgcc 420
aagcagatgg gtattaccca gcacgctcaa aatacccgga agccgctgaa caagcgcaac 480
acagtcttca aagacaccct agaaccactg gccgaaacta aggaatctgc atccaaggaa 540
cacgtcactg aagtgacaga cgacaacgag ggtaccacta cttcattgcc ggctacaggg 600
cagggcatca ccaaagacga tgctcggttg atccaggatt cgaagataca gtcggacgac 660
acagaggaat actccattgt gaactctgac gacatcgaca gggcaaacag agacttatac 720
aaggccgatg acgacaactg caaggtgcag gtcattgagc agctgcatga acattgcgca 780
aacaccagcg aagcggacga cctcccaaag agccaccgcg aatctgcctc aagtgcccac 840
ctagcccagt cggagccgga ggagtactgg gatgaggaag atgacgagaa cgaagaggat 900
gacgggtatg tcactgcacg ctcttaccgt tctcgtggcg ataacacgac cggaggagcg 960
accaccattt tgttcccgaa atacaattct caagtgcgtc gcgagctggc tttagccaag 1020
caggtcgtcg aagctaccag aacagcggaa gacatcgaag atgaatactg ggacactagt 1080
atggtcgctg aatatagtga tgaaattttc gaatacatgc gggagcaaga ggtatgttgt 1140
tccatcagtt tgacagatct tgcgtcctga 1170

<210> 18280
<211> 567
<212> DNA
<213> A.fumigatus

<400> 18280
atcaggatgc tgccaaacgc ccattacatg gataatcaag cagaaatcca atggtccatg 60
cgctctgttc tcatggactg gcttgtacag gtccaccatc ggttctcgct gcttccagag 120
acacttttct tgtgtgtgaa ctatatcgat cgcttcctct cgagcaagat cgtgtccctg 180
ggcaagttgc agcttgtagg tgcgaccgca atcttcattg ctgcgaagta tgaagagatc 240
aattgcccat cagtccaaga gattgtgtac atggttgacg gaggctatac ggtggatgaa 300
atcctgaaag ccgagcgttt catgctgagc atgctgcagt tcgaattggg atggcctgga 360
ccgatgagtt tcctgcggaa gattagcaag gctgacgatt atgacttgga gactcgcacc 420
ttggctaagt acttcttgga ggtgactatc atggatgagc gctttgtcgg aagtcctccg 480
agctttctgg ccgcaggtgc tcattgtctt gccaggctga tgctgagaaa aggaacttgg 540
gtacgttcac tcgccctttc gcaatag 567

<210> 18281
<211> 462
<212> DNA
<213> A.fumigatus

<400> 18281
accccgtccc atgtccacta tgcaggttac acttactctc aactctatcc tctggtctca 60
ctgatcctcg aatgctgcga gattccacgc aaacatcact cagccatttt cgagaagtac 120
accgacaaac gtttcaagcg tgcttctctg tttgccgagg cgggaatcaa agaagggttc 180
tgtctgcctg aagtgacaaa agaagctacc tccaacgagc gcaactcaca ttacgagcca 240
gcccaccact tggaaacgag tctaagctgt gttcactctc ttatttacga acccctttat 300
ctttctacgt attcgaagcc cggcaattcc ttaacgtcca tatccgcctt tcagagagca 360
ttcttctctc tactttcctc tctcgagccc aacgtcccca accctcagtt ggccatttcc 420
tgcagctaca acgacatcat tacgtggatg acgatatcgt ga 462

<210> 18282
<211> 225
<212> DNA
<213> A.fumigatus

<400> 18282
cacgatggtc caatatcggc gtgttgccga ttcgtagacg ggtggctgcg gcttcgcggt 60
tgggcccgca tcggcgttct cgtctcgcga ctgcgtctca tgctggatga aatcatcgcg 120
gcgcgcattg acaaccctgg ttttagtccc gcatcgaatg atgtgggcga cagggtgatt 180
gagattgtga agaaattggt cgagtttaat gggttggatc agtag 225

<210> 18283
<211> 564
<212> DNA
<213> A.fumigatus

<400> 18283
ggtatagatg aagtggtgat gatatactac gtttatgaac agtgggcaat ggacatgata 60
ccgagacatc ctccaagctt catacgaaag tcaacgtcta ttggacatcc atcccccgct 120
gcaatgacga ttccagatcg ttcacatggc cgcccgcggc gtgcacctcc tgaggcttgg 180
gctcctcctg cttccagcct ccctgctggt ggtcagggat gggaacgttg gtctgctgag 240
caatctgctg ttgctgttgc tgcgcggcag cggcggcctg cgcctgggac tgctgccgga 300
cgaggttgcg gaagcgcacc acttcgtcgt aaatcatctt gcgcatctcc tgcacgtcgt 360
cgacgacctc gaagtggaag tcgaatgtcg tcgggcaggt gggctcgtcg gaggcgtcgt 420
gccagatgtg caggtacggg tgctccagcg cttcctcgac cgatatacgc gacgccgggt 480
cgaaggccag catgcggtcg agcagatcga gtgcgtcggg gttggcgttg gggaacaaac 540
gctggaaggg gatcttgggc atga 564

<210> 18284
<211> 318
<212> DNA
<213> A.fumigatus

<400> 18284
gatttgttcg gcattttcag ctgcgccttt tgctccattg agatacccgc ttcgtcttca 60
ctctcgttgg cactgaagca ttgcgattcg aatttccacc ccggctacac acgacactcg 120
tctgtcgatt cctcgcctcg gcctttatcg tcgatcataa gccggtcgct ccattacaag 180
acaaagctgt cggttttgat catgtctgat ctacagggtc ggaaggtctt caaggtcttc 240
aaccaagact ttatcgtgga tgaacggtac aatgtgacca acgagctggg ccagggtgca 300
taccgtatcg tttggtag 318

<210> 18285
<211> 372
<212> DNA
<213> A.fumigatus

<400> 18285
ttttatgcag agttgatgga atgcgatctg gccgctatca tccgctcggg acagcccctg 60
accgacgcac attttcaatc tttcatctac cagattttgt gtggactcaa gtatatccat 120
tccgccaatg tcctgcaccg agatctgaag cctggtaact tgctggtcaa cgcggactgc 180
gagctcaaga tctgcgattt cggtttggcc cgtggttttt cgatcgaccc cgaggagaac 240
gccggctaca tgaccgaata tgttgcgacc cggtggtatc gtgctcccga gataatgctg 300
agcttccaga gctacaccaa agctagtatg tcatacctga ttttggttgc aattagagcg 360
ccgatatgct ga 372

<210> 18286
<211> 1452
<212> DNA
<213> A.fumigatus

<400> 18286
atcatcatgc agcgccttca ttcgtttagc caattgcgac atgcatcccc actcaaactt 60
tttgccctcg ctgccgcctt catcttggtg tccgcctccc tcgtgtttta ctccagacct 120
gctagtccct ctgatgttga cctcctcccc tcacaacctt ctaccggcaa cgaaatagaa 180
aacaaaggca cttgctatgt cgacctcgat ttcttgagat ctcagggata caatgaaact 240
gcgaaatacg cacggctcga gatcgccgtc aggcgaacag cgaacttcac gggattctct 300
gacaccttgc ccactcgatt ccccgcttat cagaagattc gtttggacac agctgaccac 360
gaagcaccgt tgtcaccaga gacatgctct cccgcagtga ctattcaagc tccgttacct 420
gtcgcaccac ccaacgcgtc ccacattctg ttcggcgtcg cgacaacact gagaagacta 480
gatgattccc tgcctgcatt tgcacattgg gcggcgggaa cgaacgctcg catatatgct 540
tcggtggact ccgacacagg ctcgccaata aggagggtgg agcaacgagc caaggaattg 600
gatgtccgtt tgactataat tcaatctgat gaggagcgac tggatcagta cttctctcta 660
ctccgggttc tgctcaagca ccgtgatgca tcgacgcagt gggctgtttt gatcgacgac 720
gacactttct tcccttctat gcggaatctg gtcgacagac tcgcaaccta cgacgcgacg 780
aagccacaat atgttggggc tgtgacggag gatctcgcac aggtgttcag ttggagttat 840
atggcctttg gaggtgctgg gatcttcctc tcaataccac tccttgagca actcgacaag 900
gtgtatgatg attgcaacag cttcaaaacc actggcgacc gaagagtcgc caggtgcatc 960
tactcccaca cacacacgaa actcacctgg gaccgcgacc tatatcagtt ggatctccga 1020
ggggatgcgt ctggcttcta cgagtccggt cgcccgctac cgctgtcggt ccatcattgg 1080
aaatcatggt tccaggcaga tatggttggg ctcggtcagg ttgcggccgt ctgcggtgac 1140
gattgtcaac tgcatcgttg gcgcttgaag gacaactggt tcctcgtgaa cgggttctcc 1200
atgatcaagt atacttcagc cagaaatgtt gatctgatgg agaagacctg ggaggatagt 1260
aaatacagag gcggggatgg cttcgcgttc agtctgggtc catttcgccc aaaggataaa 1320
ggcaaggtgt cctttcgctt gcggaacgca actcaacagg cagggtctgt tcgacaggtc 1380
tacattcatg actcggggcc agacgagcct cctgaagtac tggaagtagt ctggaaacct 1440
acatctgggt ga 1452

<210> 18287
<211> 672
<212> DNA
<213> A.fumigatus

<400> 18287
agcgccgata tgctgacgac tatagtcgac gtgtggtctg taggatgcat cctggccgag 60
ctgctcggcg gccgtccttt cttcaaaggc cgggactacg tcgaccagct caaccagatc 120
ctgcactacc tgggtacccc caatgaggag accctgagcc gcattggatc tcctcgtgcg 180
caggaatatg tccgcaacct gccgttcatg cccaagatcc ccttccagcg tttgttcccc 240
aacgccaacc ccgacgcact cgatctgctc gaccgcatgc tggccttcga cccggcgtcg 300
cgtatatcgg tcgaggaagc gctggagcac ccgtacctgc acatctggca cgacgcctcc 360
gacgagccca cctgcccgac gacattcgac ttccacttcg aggtcgtcga cgacgtgcag 420
gagatgcgca agatgattta cgacgaagtg gtgcgcttcc gcaacctcgt ccggcagcag 480
tcccaggcgc aggccgccgc tgccgcgcag caacagcaac agcagattgc tcagcagacc 540

aacgttccca tccctgacca ccagcaggga ggctggaagc aggaggagcc caagcctcag 600
gaggtgcacg ccgcgggcgg ccatgtgaac gatctggaat cgtcattgca gcgggggatg 660
gatgtccaat ag 672

<210> 18288
<211> 231
<212> DNA
<213> A.fumigatus

<400> 18288
gacttttct atatctgtcc tgtccatcta caagataggc atttctgctc tcctatcgtg 60
gactcggaac aggcggcagc caatgcaaag caggaagcat tggcgcggga aatcgagata 120
gtgaaaaagg agtatgaaga gaagcagcga cggaagaagg aaaaagagaa ggagaagaag 180
gccgatgacg agccgaagaa ttcagacaag aagtccaaga aatcggacta g 231

<210> 18289
<211> 324
<212> DNA
<213> A.fumigatus

<400> 18289
ctcattaatc gctcctctca tagactggga tcattgctga tggacctgga tgccttggcg 60
ggcatcatcg cgtacaaaca cgccggtgac tcagtaccta ctgtgaccgc ggcagtggat 120
cggattacca tcgagcatcc tctaatggag atttgtgatc ttgagctgag cggtcaggtc 180
acgtatgcca cgggcagatc aagtatggag gtgtcccttc aagtgaccag ggtccctgcc 240
gaaggagaac cggtaaaacc ggaggacgtc cttatcacct gcgcctttac catggtctcg 300
cttgacccag ccaccaagaa gtga 324

<210> 18290
<211> 237
<212> DNA
<213> A.fumigatus

<400> 18290
gtgctgagta ttaagatgtg ggaaacgagc actgacatcc ccattaggcc cgttcctatt 60
gcacctttgc ttgtggaaaa tgcggaggag cgtcttctct tccacaaggg cgaagagaat 120
tatcaagcca agaaggctct gagaacgaga agtctcctgg agaaggcgcc tgacgccgaa 180
gaaagtaatt taatacataa catgtggacg aaggagatgg catatttgag tgagtga 237

<210> 18291
<211> 603
<212> DNA
<213> A.fumigatus

<400> 18291
gtgagtgaca ataatccctt cagctgttcc aacgctgatg ctaacgcggg aacagatcct 60
gaatcacctg cccaaagacc tgacaatatg gtcttcatga gcgacacagt actgaaatcc 120
gccatgatta tgcaaccaca ggatcgcaac cggcacaact ttatgatctt cggtggcttc 180
ctcctcaaac agactttcga actcgcattc tgctgcgccg cctcattttc ccacgcccgt 240
cccaacttca tctccctgga tcccagcact ttcgaaaacc ctgtgcccgt gggaagcgtt 300
ctgtacctac gggctacggt tgctcacaca gaaccgctgc agagagacgg caccacatac 360
accaaagtgc aggtccgtgt cgattctaag gttagggacg tggagcacgg cagcaagaaa 420
tccacgggcc agtttaacta taccttcttg gttgagaaag atattcaggt catgccccga 480
acttatggtg aatttatgct ctggaccgat gcgcgcagac gagcacagaa tgctgccgcc 540
atggtgactg gttctaagga gcccagtact cttcgcaaca tcaaggatag tgtgaccgag 600
tag 603

<210> 18292
<211> 192
<212> DNA
<213> A.fumigatus

<400> 18292
tggagcaatt ttcagtttgc accaggaagc gtatactttt accaggacca gggacctaag 60
ggagttccct tagcttgcct catgtcatcg aaccaagagc cagcggctag tggcctgggc 120
cgcctgtcag cattcatcca ggattcaggg cttaaaaccc acatccccac gaggctgttg 180
gggggccccc aa 192

<210> 18293
<211> 201
<212> DNA
<213> A.fumigatus

<400> 18293
ctgtatgagc actctctgtt ctattaccgt gccattgatg tgccagatca atcagcctac 60
acgatgagtg accccaacaa tcccaacatt gagcagagat caacgcccca atgggctctc 120
tatcagcggg aaaacttctt gaaagcaaga gagggcaaga ctgtgccttt caacaccggt 180
atgtttagtc taacaaagta a 201

<210> 18294
<211> 864
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (540),(711)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18294
aaagctcagc caaggcggct ggtatgtccg caaggccggg tctcgatgga taagccagat 60
actaaggcac ttcacaggta ctatgcttcc tcgaatgcag gcatgtccaa tacccaccta 120
gccaaccgac aagccttcta ccgccaccgc attgtccccc ggcagcttgt cgacaccaac 180
ctccgcgaca caacaacgga gatcttcggc cacaaggtct cggcacccat agggtttgcc 240
ccaattggca tcaacaagat ctaccatcct gccgctgaag tcgccgtcgc caaggtcgcg 300
cacgagctca atctcccgta ctgcctctcc acagccggca gtacgccaat tgagaaggtc 360
ggcgaggcga acggatcagg cccgcgtttt taccagttgt acatgcctca cgatgaggag 420
ctgatgctgt cactgctcaa ccgggcctgg aagtccggat tcgacgtact ggtgctcacg 480
acggatacat ggcagctcgg ctggcggcac gacgatgtcg ccaactcgaa ttacgcgttn 540
taccgcggca ttggcgctga tctggggcta acggaccctg tgttccagaa gcgctgtcaa 600
gaggccggca tcgacattga aaagacgtcg tggccgcttc gaccaagtgg atcgactccg 660
tctggcatgg gccgggcctg gtcctgggac acaatcccct gcctgatcgg naagtggaaa 720
gtcatttccg gtggtcggcc ggtcgtcatc aaagggatcc agtccgtccc ggacgcgaga 780
aaatgcgttc aggtacgggg tgaccggaat cgggggaaca accttgccgc cccccaggtt 840
gatgggccga acgtttgcct tgtg 864

<210> 18295
<211> 345
<212> DNA
<213> A.fumigatus

<400> 18295

ggctcccatc taatctttct tttgcctttg aaaaatctct ataactccat tctagtactc 60
gaagtaacct attgcagctg tgctgatgct gctgtcatgg gatttattgc cggctgcccc 120
gaggcaggat gcaccatatc caatcaatac aactatcaac ctgatgtgac attcagcagg 180
acctaccact cctgcacccc ctccctccta atggcccttc caacctcagt atctctatct 240
ccctccagta ctgaccgaat aaatggtccg gccacgtcgg catcttccgc cccgttcttc 300
ttcatctcct ccgctgtgcc acctcccaag ccagtcgcca ggtaa 345

<210> 18296
<211> 369
<212> DNA
<213> A.fumigatus

<400> 18296
ttctcatatt taattccaag gtctggtctg cgaccatgga tatgtcaact cgacatccat 60
tcaattggct gtggctctct gcgacgtata gtctccctgg ctgcgaccag aaacttacct 120
tgcacggtca tgacggaatc agaaagcctg ggttctcctg aaaaggggga tcctactgcg 180
aatctgtcag atataaacaa cacgcagcgc agtgagaccg gcgatgatga ggaaatcaag 240
cgtgccaaga gcgaccagga cgacgcatat caagaacaat cgaccaccaa ggtcgtactt 300
cttcttgtct cgatcatgat gaccatgttt ctggttgctc tagatcgaac gatcatctca 360
acggtatag 369

<210> 18297
<211> 318
<212> DNA
<213> A.fumigatus

<400> 18297
ctctggacga aggcaatccc tcaaatcacc aatgaattcg actccctgtc cgatgttggc 60
tggtacggaa gcgcatatct gctgacctgc tgtgcattcc aactgctatt cggaaagatc 120
tacaccttct accccgtgaa agcagttatg ctgagtagca tcctgctgtt cgaagttggc 180
tctgtcgttt gcggagctgc gcccaactcc acggctttca tcgttggccg agctctcgct 240
ggtattgctg ccgcggggat ctttgctgga tctgtgagtg atccagtttc cttgaaagtg 300
caagtgctga cggtctag 318

<210> 18298
<211> 396
<212> DNA
<213> A.fumigatus

<400> 18298
gtggtatgca tcgtctatgc agttccgctc gagaagcgtc ccaaaatcca aggacttttc 60
ggggccgtct tcggtctggc ctcgattgta ggcccgctgg ttgggggcgc gtttacctcg 120
cacgtaacat ggagatggtg cttctatatc aatctcccgt gtgggggcct ggcgatggct 180
gccatcccct tttgtctcaa agtgcctgac aggaatacta ccaaggttac atggacggag 240
aagctgaagc agcttgatgt gcctggaatg tgttgcttag tccccggcgt agtctgtctg 300
gtgctagccc tgcagtgggg tgggcaaaaa tatgatgtga gactttccca gagaagaggg 360
tgtttgacac cggtactaac agcctcagtg gaataa 396

<210> 18299
<211> 687
<212> DNA
<213> A.fumigatus

<400> 18299
ctagtctact tcctccccat ctggttccaa tccatcaaag gcgtctcggc cgtggactca 60
ggcctcagac tccttccttt gatgctctcg atggtcgccg cgtccattct cagtggcgtc 120

accacccaga aggtcggata ctacaccccc cttgcaatca tcggaagctg cattatggcg 180
atcggtgccg ggctcctgac gacgctgcaa atccacaccg gccacggcaa atggatcggc 240
tatcagatcc tgtatggctt cggcatgggc atgtgcttcc agcaacccaa cctcgcggcg 300
cagaccgtcc tgccaacgaa agatgtgcct gtcggcatcg cagtcatgtt cttcagccag 360
ctgcttggtg ctgcggcgtt tgttcccgtg ggcgaaaacg tcctggccaa ccagcttatg 420
atgaggttgt ctgggattcc gggcattgac tccgatattg ttacgtcggg cggtgcgacg 480
tcgctcttga gcttggttcc atcggatctt cgggggacgg tattgacggc ttataacgag 540
gcgctgcgga aggtgttcca aattgggctg atcgtggcct gtttgaccat tctagggact 600
gcctcgtttg agtgggtgag tatccggaag aagtcagagg ctagttctgg tgttgggaat 660
ggtcatgccc ccaaagagga gcaatag 687

<210> 18300
<211> 744
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (62)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18300
gcggacgatc tccagccaaa gtccacagcg ccattcgtgc cattcagagt gaattcacaa 60
antgccaaag ccagttttac ccccttcaga tcgacctcga atccgacgac tcgatcaaac 120
acgcctccga agacatcagc accaagttcg gaagactcga cgctctcgtc aataacgccg 180
gtatgtcttt tgatctcttc tgtccgaggt atacatctta acgtcccagg tgcgtggttc 240
gatgcccaag ccaacgctac aatgaccgaa cgtcaaatgt gggcgaagac atgggacgtc 300
aatgtcaccg gcacacacct cctcacctcc gccctcatgc ctctcctcct caaaagcccc 360
gaccccagac tcctcttcgt gacatctggc gcggccagac tcgccggcac cgacgacctc 420
cgtcttccaa taaaccggtc cccaccggct ggctggccca agcccgctgg gatgactgcc 480
acagcgtacc ggagcgcgaa gaccggtctc agcatggtcc tgcgcgagtg ggggcggata 540
ctcaagaacg acggcgtgaa aatctgggga atcgcgccgg gttacctggc gactggcttg 600
ggaggtggca cagcggagga gatgaagaag aacggggcgg aagatgccga cgtggccgga 660
ccatttattc ggtcagtact ggagggagat agagatactg aggttggaag ggccattagg 720
agggaggggg tgcaggagtg gtag 744

<210> 18301
<211> 477
<212> DNA
<213> A.fumigatus

<400> 18301
acaactgcgg gagaccccgg aatgaatgag aagtgtggcc tgcccggtaa ccaaggcgat 60
tccgctgctg aacatccagg taactgcaca cgcactgaac cagacgaagg cagacaaaag 120
aaactggaag atgaaatcgg tacaactatc aaagttgctg ctgaacggca agagagaact 180
gcagagaatc cacatcttct accagagact gtcaaggtta ctggtgtaca cgcttccgcg 240
gctgcagcaa cagggccacc atactgcatc ctgtccgaac gcaaaaagat cttcgtcata 300
ctcttggtct cattcgcagc catcatctcc cccatctcca gcagcatcta ttttccggcc 360
ctgaacagtc tcgcaaagga cttgaatgtc tccgtctcgc tcatcaacat aacgatcaca 420
acctatctgg tacggcatcc gcgcattgac gggaagcagt ccacagagtc gagctga 477

<210> 18302
<211> 669
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (356),(359)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18302
atattccaag gaattgcgcc gtcattcata gcgaactttg cagacaccca cgggcgacgc 60
cccgcctacc tgatttgctt caccatctac ctagctgcca atatcggtct cgcggtccag 120
gatagctatg cgtcactctt ggtcctgcgt tgcctgcaaa gctcaggcag cagtgggacg 180
attgcgctag gaagcgcagt cgtcgccgat ctatcaaccc gagcagagcg aggcaagtat 240
atcggatacg ccagtctagg cgttgacctc ggccccgcct tgggaacaat catgggggt 300
ttactggacc attaccttgg ctggcgggcg gtcttttggt tcctggtgat cttaancant 360
gtcctcgggg accgtcattg ctatcatctt gcccgaaacc tgccgcgcgg tggtgggaaa 420
cggctccgtc cctgctgcca agtggaatcg gcctgcatgg cagatactgc ggcagaaccg 480
gagggctcaa aggcaaacgc caacgccgga ctatcacacc atcgagaaac ggcgtcgacg 540
cgccaatccg atcgcatctg ccctgatcgc caccgacaag gaagcactca tcattctgat 600
ctacagctcg ctcttgttct ccggctacat ggccgtcttg agcaccttga cttcccagct 660
gcaaagtag 669

<210> 18303
<211> 879
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1),(4),(824),(864)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18303
ncantgtcct cggggaccgt cattgctatc atcttgcccg aaacctgccg cgcggtggtg 60
ggaaacggct ccgtccctgc tgccaagtgg aatcggcctg catggcagat actgcggcag 120
aaccggaggg ctcaaaggca aacgccaacg ccggactatc acaccatcga gaaacggcgt 180
cgacgcgcca atccgatcgc atctgccctg atcgccaccg acaaggaagc actcatcatt 240
ctgatctaca gctcgctctt gttctccggc tacatggccg tcttgagcac cttgacttcc 300
cagctgcaaa gtagattcca cttcaactcc attcaagtcg gactctgcta cctgcccatt 360
gggatcggca gtctgagttc ccgatggaca gtcgggcgga ttctagactg gaacttccgc 420
cgagaagccc gacggcaggg cctcgccatc gaaaagaacc gacagcaaga tatccgccat 480
ttcaacatcg aggctgcccg cttggcggtg acgattcccc tagtctactg cgcctgtctg 540
tgtatcgtag cctacggctg ggtcatggag tataagactg cgcttgccgg cccggtggtg 600
atgctcttct tcatggggca tctgacctcc ggggcgttca gctcgctgag tacattgatt 660
gtggacctga accgacagag ccctgccact gcagtcgctg cgaacaatct gttcccgtgt 720
ctgttgggtg ccgggagtct tgcggctgcg gatccagtga ttcagcacat agggatcggc 780
tggacagcca cgctgattgc gtttctgtgg gtgcttttga gccncgctta tgtgggctgg 840
atctccatgg gggcatggat gganaagaga acgtattaa 879

<210> 18304
<211> 489
<212> DNA
<213> A.fumigatus

<400> 18304
gcaacacatt ccaggcacat caagctgctt cagcttctcc gtccatgtaa ccttggtagt 60
attcctgtca ggcactttga gacaaaaggg gatggcagcc atcgccaggc ccccacacgg 120
gagattgata tagaagcacc atctccatgt tacgtgcgag gtaaacgcgc ccccaaccag 180
cgggcctaca atcgaggcca gaccgaagac ggccccgaaa agtccttgga ttttgggacg 240

cttctcgagc ggaactgcat agacgatgca taccacctag accgtcagca cttgcacttt 300
caaggaaact ggatcactca cagatccagc aaagatcccc gcggcagcaa taccagcgag 360
agctcggcca acgatgaaag ccgtggagtt gggcgcagct ccgcaaacga cagagccaac 420
ttcgaacagc aggatgctac tcagcataac tgctttcacg gggtagaagg tgtagatctt 480
tccgaatag 489

<210> 18305
<211> 339
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (180)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18305
agccagctaa atacagtggc ttccaaaatc gtcctcatca ccggcgcgaa caccggaatc 60
ggtttccagg tcgtccgcgc gctctgcaac tccacgcaaa cctacagcat catcgtaggc 120
ggacgatctc cagccaaagt ccacagcgcc attcgtgcca ttcagagtga attcacaaan 180
tgccaaagcc agttttaccc ccttcagatc gacctcgaat ccgacgactc gatcaaacac 240
gcctccgaag acatcagcac caagttcgga agactcgacg ctctcgtcaa taacgccggt 300
atgtcttttg atctcttctg tccgaggtat acatcttaa 339

<210> 18306
<211> 318
<212> DNA
<213> A.fumigatus

<400> 18306
atacttgtcc cttgcttgga aggagattat tacttacagg cacgttgtat tgttcattct 60
acacgagcat atatgttttg gatcatgttt actagttttg tccataagca cctcgtgatg 120
cctggccttg atcggcaaat catgtatact acatgtcttg cagaaatcct agaatatcta 180
cagagtattc tcgtagaatt tcacacttta gcttccatac ctatccgcac tgccacagtc 240
accgcctcca taggtcagcc ccctaataat aatagtttga catggcatga tgtcatcgaa 300
cacatgcgcg gaatgtag 318

<210> 18307
<211> 453
<212> DNA
<213> A.fumigatus

<400> 18307
agactactct cgtctgcaac atcgattcta aatcgtcagt cttctaacaa cctccagacg 60
agagaaacta gacgcaatat gtctctcagt tccattaaag gattgctctc caactactcg 120
ccagtgagcg agtcgctgga cttggagaag atatatcact acccacttcg aaatgcatcc 180
gaagatctgg aatctgccag cgggagtgaa gcaaacaagc caattcaaag ggaaggtgga 240
gagaagaaag agtctaaaat catcgatggg cggacagttt cagatgcaat tatcggtcta 300
tcggatggct taacggtccc ttttgctctc actgcgggat tgtctgccct gggagatacg 360
aaagtggttg tcttcggcgg tcttgcagag cttattgctg gagctatttc tatgggactg 420
ggtggatatt taggcgcaaa gagtgaagag tga 453

<210> 18308
<211> 549
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (472),(475)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18308
tgttttactt ccagggaatc ttaccgagct actctcaaag agactcgaaa caaagttgtt 60
gcagacccat ccgctacaac agagaccatc tccgaaatct ttgcgcctta cgacctccca 120
tctgaactcg tctcacaact caccgatcac ctgtctgcct ctcccatgct cccttcgttt 180
cttatgaact tccaccacac acttcctgaa ccgtccggct cccgagcact catctgcgct 240
ttgaccatcg cgttaggtta cttcattggg ggtttcgtgc cgcttcttcc ttacttcttc 300
gtcggaccgc acgacgcatt cattgcgctg cgctggtcca ttgccaccat ggctatagca 360
ctgtttctct tcgggtacgg gaagacgtgc ttcgtgagcg gttggagggg gagacagaat 420
atccgacgag ggttcatcgg cggtatgcat atggtccttg tgggggggtgt cncanccggg 480
tcagcaatgg gactcgtcaa aggattccaa ctgctcgcat ccatcggcga aggtcatggg 540
gagcaataa 549

<210> 18309
<211> 237
<212> DNA
<213> A.fumigatus

<400> 18309
ccctgtcgat ttcgctccca gcggggagtt gatccaagat ttggttggta tgcctcattt 60
atcctggtgc ctagtggatc tttggaaaac tgctccagtc gctcgggact gaattatggg 120
tcagccacaa aatgccacac tatggctgca acaataaaac gcggaacagc cattattact 180
agattgttaa ttgtttgctc tactagccaa ttgctctggg aagggaccgc atgttga 237

<210> 18310
<211> 813
<212> DNA
<213> A.fumigatus

<400> 18310
tgccgtagct gggattctct cagacgctcg cagattttaa aagttgagaa cattgttgac 60
atggcgctgc tccagcggta cagctccggc ctgattttca caccacaaaa agcattgaat 120
agagggaatt tcgtgagaaa tcctcctgat tggttatcca aaggcccaaa agtggaagag 180
aattggagtc tagaattgca aaccttggag ggcctttctc attgggtttg gtctgtcact 240
ttttcacaag atggccaact tctagcatct ggctctgatg acagaactat caaactctgg 300
gatcccacca ctggcgccct caagcatact ctagagggcc attctgattc aattcggtca 360
gtcgccttct cacgagatgg tcagcttcta gcatctggct ccgacgacga aactatcaag 420
ctctgggatc ccaccactag catcctcatg cagactctag agggccattc tgattcagtt 480
tggacagtcg ctttctcaca agatggccag ttactagcat ccgggtctca cgacaaaact 540
attaagctct gggatcccac cactggcaac ctcaagcata ctttggaagg ccactctgat 600
tgggtccgat cagtcgcctt ctggaaagat agccagcatc tagcatctgg ctctgatgat 660
aaatctacca agctctggga tcccaccact ggcaacctca agcatacttt ggaaggccat 720
tctgattggg tccaatcagt cgcgttctct caaaatagtt ctgggatctc accactggcg 780
ccttcaacgt actctgggtg ttggcggtat taa 813

<210> 18311
<211> 183
<212> DNA
<213> A.fumigatus

<400> 18311

atctcttgca gatcttcaaa taccagaagg caatatcacc cgtcacctgg acttatttca 60
ttcagttttg accgtaccag tgaatcctat ctacccaagc aggctctaca gttttccttt 120
cgtaattacc tggtggacaa ccctacaaaa atcaaaaagt tctacatccc aataatagct 180
taa 183

<210> 18312
<211> 183
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (166)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18312
agaaagataa agtcatgcat tcaaacgact gttcgtgccc atgtcctatt tagcaaccct 60
atgctgaccg gaaattttac ccttttccct ttttgccctt tttccgtttc ccccccttctc 120
ccgtctttta cctcccccttg cagtcaaatt caggtccttg gcgcantgat ggcaggctgg 180
att 183

<210> 18313
<211> 750
<212> DNA
<213> A.fumigatus

<400> 18313
gcacatcgcc tctttttttct tctcgtttgc aatatggccg ccaagctcca gtttctgaat 60
aacctgccac gagaaatctg gctctctatt agagatcttg ttcttccatc agcttctgca 120
aacgaactta aaatagctcc ggcattatgg agtagcatat tcaaaagcga ccgctggctt 180
aacatggcaa cgagagaatt caaatgtagc ccgattctta tcggctgtga cctgagtgct 240
tttcgacctc acagggtttc aaatcgaatt taccttgctc ttattgcaaa tgactattct 300
ggagatctga ggtttcgcca ggatgagctt ctggagactt ttcaagatgg cgccaagttt 360
gacgctgaca cctacgaggt gaagcttccg tcagggattg tggttaatat ctacgaggtc 420
attactggat ctgaaaccgc tgaactacca ttagaaaaat tattctctcg cgagaattca 480
ggtgtgcaca ccgagtattg cttctatacc aaaaaggtta taggatcact tggacctgca 540
gacattattg gacttcatgg gccgtgtcac aaatggcggg attttaaata tggtggtgct 600
atcagggtgc catatggcgg caaggtcaag caatatttca tacaggcaaa aggaaagagg 660
gaactgtggg tagtgaaacg ggacgatgag tcgaaattag tttcgtcttt ctcaaaagag 720
cccaggaatg agcagggatt actgtattaa 750

<210> 18314
<211> 222
<212> DNA
<213> A.fumigatus

<400> 18314
ccagctcagg tctcttctat cttgcatcct gtatctgacc tgtcactgca agctttttct 60
aaaatttcat gcacttgctt tcttaacaca aactactctc tctgtttccc agacaaggct 120
tatgaagcaa ccacaaacaa gttatattat atatggcaag tgaaattatc aacgaaatgg 180
aacgcaacct ttagggtgga ccccaacagc cagagtatgt ga 222

<210> 18315
<211> 231
<212> DNA
<213> A.fumigatus

<400> 18315
atgacagtca taaaagtgaa caaataccgc gagactcgtt ggaccatttt cgcactcatc 60
agccaagctg atcactcatg gcagatccag tgtaatgtct tagatatagc agctaaatcc 120
attacaggga ttgcagcagt taatctaact gaatttacag aacccacgag tgcaagatat 180
tcatttccag tgtgggtgac ttgttacatg atcacacaat cactgtacta a 231

<210> 18316
<211> 237
<212> DNA
<213> A.fumigatus

<400> 18316
gaatactggg tttcagggac gtatagatgt attagtgaaa atatatatgt gtcaataatc 60
agaataaact acttagtctc ccccaagctg ttcagaactc ctatttctac taagtgcatt 120
cagaatcagg tatataatta cctaagcaag agggggcttg ctgctggtgg cttactaggc 180
ttatattatt ccaagcatat aacaactacc ccccccccttc agagaggttt atcctga 237

<210> 18317
<211> 219
<212> DNA
<213> A.fumigatus

<400> 18317
tataataata aggaagtcct gtatcctatt atattcttct ctaagaagct cttagttact 60
aagtataact ataagatcta taataaagag ttactcacca ttattcacta ttttaaggaa 120
tggcgcccta aactagaggg tatactatta ctaattaaag ttataactaa ttactataac 180
ctagaatatt ttatgtctac taagctgctt aatagatga 219

<210> 18318
<211> 228
<212> DNA
<213> A.fumigatus

<400> 18318
aaaaacttag ggctattctg tattaagaag attattagcc tgcatgccta taagctagat 60
ctactagctt ctataaagat tcaccctgtg tttaatgtta gcttactatg ttctattgct 120
aaagaccctg ttcctggaca aagacagcca ccactactac tagtagaggt tgatagtcta 180
gaagaatgga ttattaagga tatcttagat tcctgctggg aatactga 228

<210> 18319
<211> 420
<212> DNA
<213> A.fumigatus

<400> 18319
gcacatctca ccctgtcatt ctttttgtc tttccttcat ttaactctgt cattcgttct 60
gtgcctactt ccaggatgaa gtacgctgct tttcttccca ccatcggtgc gctggtctcc 120
caggccattg cgattggcgt ccaaggcacc gccgagggtt ttgcctcgtc cgtgactggc 180
ggtggcagcg ctacccccgt ctatccttcc accaccgacg agctggtctc gtaccttggt 240
gatagcgagg cccgtgtgat tgtgctcacc aagacctttg actttactgg aaccgagggt 300
accaccaccg cgactggctg cgcgccttgg ggtactgcct ctggctgcca ggtagccatc 360
aacaaggata actggtgcac caactaccag tcgagtgctc cctctgtctc ggtgacctag 420

<210> 18320
<211> 561

<212> DNA
<213> A.fumigatus

<400> 18320
accgcccgca tcggccgcca acactacgtc ctcggcaccg aagccagcaa ccgcatcacc 60
ctctccaaca actacatcga cggcgaatcc gactactcgg ccacctgcga caaccaccac 120
tactggaaca tctacctgga cggctccagc gacaaggtca ccctgaaggg caactacctg 180
tacaagacca gcggccgcgc gcccaaggtc cagggcaaca cctacctgca cgccgtcaac 240
aactactgga acgacaactc caaccacgcc ttcgagatcg gcgacggcgc ctacgtgctc 300
gccgagggga acctcttctc cgacgtgact gccgccgtcg agtcctctag cttcacgggt 360
gagctgttcg gctccgcgag tgcttcctcg acctgccagt cgtatattgg ccgtgactgt 420
gtggccaatt cgttctccag ctctgggacg ctctctgggt cgaatgttga tgtgctgtcc 480
aagtttaagg gcgagactgt tgcctcggcg agtgcggctg gtacttctcc tgcttcctcg 540
gctggtcagg ggcacctgta a 561

<210> 18321
<211> 420
<212> DNA
<213> A.fumigatus

<400> 18321
acagtcgcta tgcccattga gccctttgtc tcggcaacac cgctgcgatt ccgtgggatt 60
cccgattctc tcgcagtatt tcatctggag ggctctgaat gttgcttgat ccatgcggat 120
aatcctcttt ctggacatca gggcgtctac ctgaatccca aggtccgggt tggttacaac 180
ggccccgcat acgaagcagt ccaccctgct ggctcctggc tgtctccaca atatattgcc 240
ttggcactgt gggagaacag attccgacgt tgggcaacca cgaccctctt caagaagttc 300
gtcgttcgac gcagacttgc tcaatggaag gcgctctcta gcggccgaca tgaacctggc 360
aagttctgct tgattaacga gatgcaggtg ctcgtcgcga atggctgggc ccatgtatag 420

<210> 18322
<211> 306
<212> DNA
<213> A.fumigatus

<400> 18322
cgagggaatg acttctcacc ctgtggctgc ccgcaggtgg atgacgttat tgaactgctt 60
aacacaaacg agggagtata cgccgcggcc tgctctatag attattcccg acctccgttg 120
tattatgata cttttgcttt gcgggatagt tatggcgacg agcatgtcat gcagacgtgg 180
ccctatttcc gttctacagt atctcggcat gcgcttttca acatgtcccc tgttcccgtc 240
aagagttgct ggaatggcat gggtaggctt atctttcctt tttcccactc cactctatgc 300
tcgtag 306

<210> 18323
<211> 1440
<212> DNA
<213> A.fumigatus

<400> 18323
cagtattgga gcttgcttcc ttcaacactg gcacatttct tgtactccag cctaattccc 60
gtctcatccc taatactcac ccagtcacat tccaccagca tatcccagtt ccccccgtac 120
ccgaatatgt tgcctgtatt tcacgctgat aacttcaaga catggactcc ccctttccgc 180
ataagatcct cctccatgcg ctcacgccta caccctcctt ccaataagtc tcctgccatc 240
aaatttcgtc agtcaccccc ccctcaagca ttgccattgc ccaagcatca gctcccggcg 300
cggcccccag ccgaggtttg cattcatgca agtgctgtga cgccatctgg cacctcccgg 360
gaccccccagt ctccgtcccg ggagtcattt aggctgcact ctgccacgac gcctgcccgg 420
acgcccgcca tatcatccga cccgcagcac gcagagcggt tggaacagtc tctgagaaac 480

gaacctggtc catcatcagc tccggattta gccacatcac gcagagttca cgatgccatt 540
gatgcctcaa ttgatgcgcc ctttttcca gaggacgccc tgagatatat atcgtcaccc 600
agtgtatcca gctcggatga gagctggcag gagtttcccc aagcagcaga cgaacaaaat 660
gacattctga tcgacccggt gatcctcacc aacaatggcc cctgggagac agaagacgaa 720
tgccagcata ttcacgcgga cggtgatgca gtcaactcgg agaccatttg tcaatatccc 780
gaccctccac tacttctccg cgacacgcgt gccgagaata gaaactctaa cgcatatcct 840
gaagcgcagg aaggaaactc tcggttggat agcctgctac acagccagtc acacgcacaa 900
gtgtctaccg ataacaaacc cgaagcccac attcgtgcgt ccagcaaccc cctcgaggtc 960
ccaaacagcg gccaacagtc gaaaacccgc aagcgaaagt tgcaaaagtc gcatggacaa 1020
ccacaactgt gcaaatgggt cagaggttct tctgctaccg cctcgaagga gaattcattt 1080
tcatcgcttc gttctcactt cacatctgta tcggtcgatg aacgcctaca atttctgtcg 1140
tggctgttcg agggcgcact accacgctgt atgtctgaat cggatctggg agtgtctacg 1200
cgtatcgcac aaccgacaca ttatgagtct cagccagctg attccactgc gcttcctgag 1260
acctctcgga aaggcatgcc gtggtcgtca gaagagaagg accttctatt aaggctcagg 1320
agagacgaga aacgaccttg gtcggacgtg gtaaggctat tttcagacca gtttccgggt 1380
cggagccccg gctccattca agtattttgg agcacgaccc tcaagaatag agcacattaa 1440

<210> 18324
<211> 396
<212> DNA
<213> A.fumigatus

<400> 18324
gttcatcttc gacctttatt ctcgtcggca atactaagcc cgagtggctg tctagatcta 60
aagcttgaga acatcatggt ctcattcgag gacccaaccg tgcttgctga tttcatggat 120
cctcagcttg caagaccgac gcctttcaag attgattcgg cggggcgacc agtgtatcaa 180
tcccgtaatg acttcgggcc actcaaaagc ctgagaagta taccacagct tgtcgacttt 240
gggttggcaa ccagactcga ggaagacgac gactggggcg tttggccaat tcagccagac 300
cactatcggg caccagaggt gatactgggt aatggatggc aaatgcctgc ggatatttgg 360
aatcttggtg ttctggtgcg ttccgttgtt ctctag 396

<210> 18325
<211> 390
<212> DNA
<213> A.fumigatus

<400> 18325
caaatataca ggcatgctga agagccagag agaatcgtgg cactgaaaat tgccaataat 60
aatgcgagtt ccgctggtca tgagcgcgaa gttgaagagc atatttccat ggcagacccg 120
tcacaccgcg gtcggtcagt tattcgaaca ttactagact cttttgaagt taaaggccca 180
gaaggttctt atccgtgcct tgtatatccg cctatgaggg agtcattgtc gatgtatcag 240
cggcgcttta acgacagaaa gatgccactg cccctcatta aaacatacat tcgtgctctt 300
cttactgggc tcgattatct gcataaagta tgcaggacag ttcatacagg taggttcatc 360
ttcgaccttt attctcgtcg gcaatactaa 390

<210> 18326
<211> 312
<212> DNA
<213> A.fumigatus

<400> 18326
tcttcttcaa caaccactga catcacattc tcccgtcggc ttacgggaag taactctgta 60
atggacacta taaagccatt catttctcgt ttctccgcct tgcttcgcaa gaaaccgttt 120
cccatgcctt ttcccgggcc acctttaccg cccggcatac tcgtcgatga agagatctcg 180
ccagtatacg attccaagta cttctaccct gcgaagcctg gagaggtgct tgccgatcgt 240
taccaaacct tggtcaaggt tggctggggc gtgtcttcaa cagtatggct cgcgcgtgat 300

ctgcaagggt ag 312

<210> 18327
<211> 909
<212> DNA
<213> A.fumigatus

<400> 18327
tggggctcgg actctgacaa gactgccctt accaatgatt tcaagttgct tcgaaacaac 60
ttcaccaatg tacccatcat cctcggagag tacgacgcat ctccgacgaa caccgagcca 120
gccgcacgct ggaagtacac tgacctttta gctcacgctg ctgcccagta caactttgct 180
gctattctct gggacaacgg cctcgaccac cttgaccgga caaccggtaa ctggcgtgac 240
cctacctccc tccaaatcat caccaaaaca aagtcctcca ccaaaaacag cttgcccgac 300
agcaccacag acgcttccgc gacaagccag tcgtcttccg cctatatctt ccaccaggtc 360
ggaacaccag tcacgagcca gaccctccca tttatcttca atggcaatac actccggtcc 420
atcagggact ccagcggtac taccctgaag caaggaacag actattccgt ctccggctcc 480
aacctcgttt tcacggcgtc gtacctctcg aagcacttct ccgcgtctac aaagcctggc 540
atcatcgccg acctcaccct cgtgttctcc tctggcgcct cccccgttgt ccagctcgtg 600
caatggcaga cgccaacact gggttctacg tccgttgccg catcgtccgt ctccggtgat 660
ctctccatcc ccattacatg gggtggcgtc cctaaggtcg cggccgtcaa agctctgact 720
accagtggca aatacctcgt tgatgactgg acacaggtgc tgggcccgtt gcaacaggcg 780
agaacggtgc gtaacttttt ttttcgtgca ggaacatacc taaccgctga ctctcttctg 840
tgtccagacc tacagcaacc agtggaagtt cgagggctcg aatgtcattt taacgtctgg 900
ggctattga 909

<210> 18328
<211> 186
<212> DNA
<213> A.fumigatus

<400> 18328
ccgctgactc tcttctgtgt ccagacctac agcaaccagt ggaagttcga gggctcgaat 60
gtcattttaa cgtctggggc tattgatgct gtgaaatctg tgggtcagac tacggtgttt 120
acgtttgagt tctatcctcg tgtggctggt ggtgtgaata cggtcaactt caccgtgacg 180
gtttag 186

<210> 18329
<211> 192
<212> DNA
<213> A.fumigatus

<400> 18329
tacggtaaaa atcagtcgac agtcgctgat atcgacaact cagtcaagca aggggtgagt 60
gcttgtccaa gtataacgtt caaaccccga acggatgacc tgttctcatt ccaatccata 120
ctcgagctct cggacccgaa gattgattgc ctctcttcta aagcgaaaga agagtggact 180
tcagtgatgt aa 192

<210> 18330
<211> 210
<212> DNA
<213> A.fumigatus

<400> 18330
aatcagaatc taaaagccca aggaagcaat tccctacata tagctcgtgt gcaacccgcc 60
actagaacaa gcggaccgta cggcgcgttg gacctgtcat tcctgtcatt ctgcatgtat 120
ggtacaggct tcccagttgc caaattgtgc tcgaacgtaa accttcgtgt gacagaaatg 180

ccaatggtgg gccatgcaaa gcccaggtag 210

<210> 18331
<211> 231
<212> DNA
<213> A.fumigatus

<400> 18331
tgtatgttca aaaagccagc cacggtgagc atggaagagt ggtatgttcc tatcacagta 60
ttatcgcaag tctactttat ccctatgcga atatatgtaa gttctgagaa taccgaggta 120
tatcctgtaa ggtctgctgg catccttagg tcgctcactg gaggatatgt cttttacgag 180
tccggaaccc atcttatgaa tgagatacgt agtctccaac atagtgtttg a 231

<210> 18332
<211> 696
<212> DNA
<213> A.fumigatus

<400> 18332
gtacctttt cgaccgctcc ccacgcctcc tttaccgacg ctgggcatcc ctcagcggaa 60
tcggctgggg aaacgtgttc cctgtattca ccaacatggg tgtcatcggt acgtttcgga 120
ttcttttacc gcgcattcaa ccctcaacc ccaccactaa ccacaccctc ctccagccct 180
aacatactcc tgcatcgccc ccctgatcct cggcttcgcc ttcgtaggcc tctacctcgt 240
ctatcaagcc taccgctaca acttcctctt cgtctacgac atcgaaatag acacaaaggg 300
gcttgtctac ccgcgcgccc tccagcatct tctaacaggc atctatctcg ccaacatctg 360
catgatcggc ctcttcgcca tacgcgccgc catcgggccc ttgatcatca tggccctctt 420
caccgtcctt accgtactag cacacatgtc cctcagcgag gccctagccc cactctacac 480
cttcctcccg cgcaccctcg acacagaaga agagcagcag tcgaaagaag acgagacgca 540
ggccctcctg cgccatcccc gcaaccgctg ggaggcagcc tggaaatggt tccacccgaa 600
cctgtacaga gattatgcgg cgctgcggcg caaagtgcgc cgggaccatg tcgagatcag 660
atactccgaa gaggaggagc ggaatgcgta ctttga 696

<210> 18333
<211> 732
<212> DNA
<213> A.fumigatus

<400> 18333
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atcgaaatag acacaaaggg gcttgtctac ccgcgcgccc tccagcatct tctaacaggc 180
atctatctcg ccaacatctg catgatcggc ctcttcgcca tacgcgccgc catcgggccc 240
ttgatcatca tggccctctt caccgtcctt accgtactag cacacatgtc cctcagcgag 300
gccctagccc cactctacac cttcctcccg cgcaccctcg acacagaaga agagcagcag 360
tcgaaagaag acgagacgca ggccctcctg cgccatcccc gcaaccgctg ggaggcagcc 420
tggaaatggt tccacccgaa cctgtacaga gattatgcgg cgctgcggcg caaagtgcgc 480
cgggaccatg tcgagatcag atactccgaa gaggaggagc ggaatgcgta ctttgagccg 540
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caggagatta tcgagacgca cccctccatc ccgattacgg atgagggggc gcatctggat 660
gaaaagaata agtttgtctg ggataagtat gatccgagcc ttccgctttg ggagttgaag 720
gttctgtatt ga 732

<210> 18334
<211> 1800
<212> DNA
<213> A.fumigatus

<400> 18334
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tttctcaaga tatctgatgc gcatgttcta cattcctcct ccatggacgg atacctcttt 120
ctgcggttcc ttagggtgct gtgttctact tgttttactg gttgcctcgt cacatggcct 180
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tttagcaacg tcaaagaccc gacccggtac tatgcacatg ctatcatggc atgcatcttt 300
ttcagtatgt gcttctgggg gctcttccaa gcaaaatcac taattaggga cactgcagcc 360
tatgtcttct acgtggtcac tcgagagagt ctcttttatg cgaatttgcg gcaggcgtat 420
ctcaattccc ctgcctatgt tcgtcgtata tcatcgcgaa cggtgctgtt catgtccgtg 480
ccagaagatt acaagaacga gcagaagttg cggcaagtct ttggcgattc tattcgaagg 540
atctggatca cttccgactg caaggagctc atgaagaaag tccgcgaacg ggacagttta 600
gcttatcggt tggagaaagc ggaaaccaac ttgattcgaa cagcaaactc ggcccgtctc 660
tgcgcattca agaagggagt gatcacttca gacacgtgtt tggactgcga gagcgggaca 720
catagctggc gtaagaagat tcgcagaccg agtcaccgtg tgaagttgtt tggacccaaa 780
gttgactcca tctgctggtt acgcgacgag ctcgtgaaag tatcaaagga ggtagagtac 840
cttcaggaac agcacaagaa tgggaagatg aagaatcttt cggctctgtt catcgagttc 900
aactcccagt ccgatgcgca gatcgctcta cagacgctct ctcatcacca accgctccat 960
atgacgcctc gttttattgg tatctctcct aaagaggttg tctggtcgtc tttgaacctg 1020
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gcgggactgc taccgtctgc agctctggtc cttctcatgt catttgttcc gatcatctgt 1260
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cagagcgcgc acttttgctt ccaggtcgtc caagtcttcc ttgtgacaac cctgacatcg 1440
gcagcatccg ccgcgacagc ccaaatcatc aagaaccctc tgtcagcaaa agatcttctc 1500
gcccagaacc taccaaaagc cacaaacttc tacatatcat acttcttgct ccagggctta 1560
acaatgagct cgatggcagt ggtgcaggtc gccggcgttc ttgtatttaa attcctaagt 1620
acctttttcg accgctcccc acgcctcctt taccgacgct gggcatccct cagcggaatc 1680
ggctggggaa acgtgttccc tgtattcacc aacatgggtg tcatcggtac gtttcggatt 1740
cttttaccgc gcattcaacc cctcaacccc accactaacc acaccctcct ccagccctaa 1800

<210> 18335
<211> 411
<212> DNA
<213> A.fumigatus

<400> 18335
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aagacgagac gcaggccctc ctgcgccatc cccgcaaccg ctgggaggca gcctggaaat 120
ggttccaccc gaacctgtac agagattatg cggcgctgcg gcgcaaagtg cgccgggacc 180
atgtcgagat cagatactcc gaagaggagg agcggaatgc gtactttgag ccgtgtattc 240
gggcgcgcac gccgacgctg tggattccca gggacaaatg ggggtttagt caccaggaga 300
ttatcgagac gcacccctcc atcccgatta cggatgaggg ggcgcatctg gatgaaaaga 360
ataagtttgt ctgggataag tatgatccga gccttccgct ttgggagttg a 411

<210> 18336
<211> 309
<212> DNA
<213> A.fumigatus

<400> 18336
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actgatatca catacatagg actatcagat tacccgcacg ctacgactcg catacatgcc 120
aattacaata atggaaatgc gcataagact gtgttccaat cagaaaagtc atcaacttct 180

attattaagt tgataatttc tattacaatc accgcaataa gattaattac cacaatccat 240
gttttcctca atttctccag aagactggaa tgtcttaatc tcctccacca tcaccaatca 300
atgacctga 309

<210> 18337
<211> 504
<212> DNA
<213> A.fumigatus

<400> 18337
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ttccctcctt tcgtcatgtc tgctcaagac gagttcaaca gccttgttgc caacaatcag 120
gagaagttct ccacccatcc tgaggatcga gataactctg atcgcgactc tgagcctgcc 180
tctgacaaca acaccaacca cgacgaccac gcacactttt cagactcgga agactttgac 240
gataccgcca tgggttcacg gacaaccaca tatcaggttc ccaggaccaa gttcgacgcc 300
aacaccgggc ccaagggcgt cattgctgat gcccaggcct tcgaacgtgc gcgcaagcgc 360
tccttccgca aaaccctact tggtgccgcg gggatggact ataagcatca tcgctccaac 420
tccaagtcga tcacagatga tgccaatctt cttcagaact cgtcttcaac cacgggggtc 480
gaaggatcag cgctaagcgt aaaa 504

<210> 18338
<211> 252
<212> DNA
<213> A.fumigatus

<400> 18338
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aaccgtgtca gctgccttgg agtcagcaat gacggcatca gtttgtgcac tggatcctgg 120
gattctcttg taagtgcctt gaaagcgatt aaatattccc cattgttatt tcggtttatt 180
gtttttcttg tcttcatttc acaatcacta atatttctat tcgtggtaaa gctcaaggtt 240
tgggcctggt aa 252

<210> 18339
<211> 456
<212> DNA
<213> A.fumigatus

<400> 18339
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ttctgtctgt tcctttccta ctgccgtctt cccgcctcct ctcctggtca tcccaatccg 120
atcccctggg attcacagcg ccgcctcctt cgacatcgtt tcacatcctc gcccgcctat 180
tctcatttac caaacctgcc cataccaggg acctcctttc tggtcgaaat ggcagccgat 240
atgagcggcg agcaaatgca ggccaagatt accgcggcca ggcgcgaagc tgaaggtctc 300
aaggacaaaa tcaagcgcag aaaagatgag ctggcagata caacccgtac gaatccttta 360
agccattacc ttttgcaaag tttcaattcc tggaattgca gcggcttgtt tactgccatt 420
gctttgcaaa tgtctatgtt ccatttcggc tactga 456

<210> 18340
<211> 600
<212> DNA
<213> A.fumigatus

<400> 18340
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cgacggacgc tcaagggcca cctggccaag atctacgcca tgcactggtc aactgaccgt 120
cgtcatttag tgtccgcctc gcaggacggt aaattgatta tttgggacgc ctacaccacc 180

aacaaagtcc atgccattcc tttgagatca tcgtgggtga tgacctgcgc ttatgctcca 240
agtggtaact acgtggcgtg tggaggtctt gacaacatct gctctatcta caacctctcc 300
tcccgtgaag gcccaacccg tgtcgcgcgg gaactgtcgg ggcactcggg ctacctctcg 360
tgctgccgtt tcattaacga tcgtcgcatt atcacctcct ctggtgacat gacatgcatg 420
ctgtgggata ttgagtcacg atccaaggta actgagtttg cggatcacct gggagatgtc 480
atgtcgatca gcatcaaccc cacgaaccag aacatctttg tttcaggcgc ctgcgacgct 540
ttcgccaagc tttgggatat ccgtaccgga aaggccgttc atacttttgc cggacactaa 600

<210> 18341
<211> 462
<212> DNA
<213> A.fumigatus

<400> 18341
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gtgcttcctc agtgggtgtt gctctcccct ccaacgtcaa tctccagtct attattcgat 180
cgttgccctt acggaggaag actgcatgcg actgcactac tgatggttct tgataattta 240
accctgtttt ctggtgactt tgagctcaaa tatatggtca aaaccaactt ccttggagga 300
gcgtctctta gcaaaccccg tatcaccagc tacggagtac gggagtacca aatcctacgt 360
tgggcgactt tctcctctcc cataaggctg acctgccgct tgcagccaga aatgacttct 420
atcgcttact ccagtaccga ttctctatta ttggtgcttt ga 462

<210> 18342
<211> 213
<212> DNA
<213> A.fumigatus

<400> 18342
aaatggttgg cggcaagcgg gacccacccc ccccttcctg tggaagagaa tttcccccct 60
ttaaatctga accaattgaa agttttttttc atccatggga acttacgggt ttcgagggta 120
aagcccccccg taagtattag tcatatcgct catctcacag tcattaccaa aacgggtggt 180
tcctacgtgg gcatggagac ctcactacag tga 213

<210> 18343
<211> 1749
<212> DNA
<213> A.fumigatus

<400> 18343
ctggagcagg ttgaggatct attctataat gttcctacaa gacgccgagc cttccgatct 60
gcaagcgaag agtacgccaa gattctcgat gttgtcggtc ggtacgctgt tcactgttct 120
gggatagcgt tctcatgtcg aaaacacggc gagtcgggtg ctggtatctc aacacctacg 180
gcagcgagta ctgtggaacg aattcgccag attcatggta gtgcagtcgc caatgaactt 240
gttgaatttc aagttgagga ttcaaagctc ggttttcgct cctcaggctt ggttacgaac 300
gcaaactatc atgtcaagcg gacaaccatc ctccttttca tcaaccaccg ctctgtcgag 360
tctactgcga taaaacgcgc agtggagcaa acgtactcga gttttctgcc taaaggcgga 420
cacccctttg tgtatattga cctggaaatt gagccacaac gcgttgacgt gaatgtgcac 480
ccaacaaaac gcgaggtaaa cttccttaat gaagacgaga ttatcgaatg tatctgcgat 540
gcaataaaat caaagctggc ccaagtggat tccagccgaa cctttctcac gcaaacactt 600
cttcctggtg tcacgacaat cgagccgttg aatcgcaaca atccggccac tggtctgtca 660
gttgaaagtg acagccaagt tcctagaaca cctgcgccaa cgaagaagcc atatgagcat 720
agcctcgtgc gtacggattc cagagtccgc aagatcacgt cgatgctacc tcctgcgata 780
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ggattgcagt acgagactac agaccgagaa cctcttcgta ttgccctgac atcagtcaag 900
aatctccgcg ccgccgtccg gtctaccatg cacaacaatc taacagagat gatcgcatcg 960

catacatacg ttgggttggt cgacgaacga cggcgcatcg ccgctataca gtcaggagtg 1020
aagctctacc tagttgatta cggtatgata tgcagtgagt tcttctacca gatcggtctc 1080
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cccgaacaac tgcctcctcc accgcctgaa gggtcaaatg cctcagacca caaagaaatt 1560
ccagagtcgc cggaagagca accggaagat gcggttttga ggcaccgtcg actgcagata 1620
gctcggatgc tggagcatgt tgttttccca gcgcttcggg ctcgtctggt tgccaccaca 1680
cggtttctcc gcggcgtagt tgaagtggcg gatctcaaag gtctataccg tgtgtttgag 1740
aggtgttaa 1749

<210> 18344
<211> 201
<212> DNA
<213> A.fumigatus

<400> 18344
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gagtatggct tgttcatcaa tgcaatttcc ctggctattg aggcccattc gagttctctt 120
ttgatggttt tattgcgtct ctgcagtagc tgctcttccc acttaaggag ctcatatctg 180
agaaatcctg ttagccagtg a 201

<210> 18345
<211> 858
<212> DNA
<213> A.fumigatus

<400> 18345
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atatacactc gaactgcaca gctgtcattg aatatggcta cggtgttggt acagcagcaa 120
acgctgcgac atgccacccc tccgccagcg ggaatctcct cgtccctgaa tctcaccaga 180
accccgtcgc cggtgccaaa caaacattta cctgtgtgtc cgccggggac ttcgacagca 240
gctttgcgga ctgctgtaca atcaactaaa gaggataaga aggtcacgtc gcttctctat 300
cctcccgaca cgttcttgcg tgtaaacaaa tccccctcga tatactcgat cgacattgta 360
accttagccg ccgccttgga ttattgggct tctcaaccct tgccagatcc cagccaggta 420
tttccttggc tccatggact tcacccggaa aatcatctac aactggggtt tttcacaaac 480
cggagacgtt ctcttcgccg gattcctcaa tgttggaggg gcatcacgat cgttaaagtc 540
ggtggtgatc ttagtacatc cagactcaaa ggtgccgtgt ctcccagtga gatccttgcc 600
ccgtccggct gggatttcat tccaagcgac cccaaggagg gattctctgt tcgcaatttt 660
cagatacaaa ccccaaagtt ggctactcta tcagacattg ttgtctacgg ccaagacggt 720
gtccataaaa agcagctctt agaagttgct gagaaaatcg ccactgcaca gtaccgttgg 780
agaaataaga atgacccaga tggcttgctt ccaacctacc atacattcat cctctcaagt 840
cagtccttct cggcttag 858

<210> 18346
<211> 231
<212> DNA
<213> A.fumigatus

<400> 18346
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tacggtgttg gtacagcagc aaacgctgcg acatgccacc cctccgccag cgggaatctc 120

ctcgtccctg aatctcacca gaaccccgtc gccggtgcca aacaaacatt tacctgtgtg 180
tccgccgggg acttcgacag cagctttgcg gactgctgta caatcaacta a 231

<210> 18347
<211> 954
<212> DNA
<213> A.fumigatus

<400> 18347
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atgtgcgaga tgaccaaagc ttctgagatc tctaaaaatg tctggcaagg gccgactcct 120
gattacatat tgcaatgtgg atcaggcgac tccgtgcatg tcgaagattt tgacctttg 180
attgagacaa gtgatcttgc cagcatccct ggccctcgat acctggctaa actcaatagg 240
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gtcccatccg ctgaaacaag agaaatagac gacctcgtaa gcactgtacg atggatctat 360
tatctagcga acccagacga gccggaatct cccacagatg ttggtggaga tattgctatg 420
acgcttcttc aacggaagcc tcgcaggatt cttatacact gtccagacgg ctatactgag 480
tcttcactat tggtcatcgc ttacttgatg tttgctgaag gtataccggc tcatgaggca 540
tggctgcgac ttcattgcga caggaagcgt aatttcttcg catacccgtc tgatgtcact 600
tttctgagca ccattcaaac aagacttttg catgagagtc ctgcgacgca ctcagagagt 660
ctctcgagcg ttccagatcc gccatggttc cggtactgtg atggatcact tcccagtcga 720
attctcccat atatgtatct tggcaatctg ggccacgcca acaatcctga aatgctctgg 780
gctcttggaa ttcggcgcat tctgagcatt ggagagtcag tctcatggag agattttgac 840
gttgctcgga tgggcccaga caacgtgatg catataactc aggttcaaga caatggaata 900
gacccgttga ctcaggaatt cgaccgatgc ttggaattca tcagtgagtt ctga 954

<210> 18348
<211> 243
<212> DNA
<213> A.fumigatus

<400> 18348
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agtacaccct tgccgacacc cttgatgaaa ccttggagac cttctttctc cgcaccctgt 120
agcgggtggc gagcaagtcc tccaatgccg cttgctaagc tgtttgcgaa tgcatttcca 180
ccggcggtga gaccatacaa tgcatgcttt ggccgatttc gagacttcga cattcgtcgc 240
tga 243

<210> 18349
<211> 1356
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1234)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18349
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gagtccattg gagccttctt ggactcggct ggagcgactg tcgaggaaat ccgccagcaa 180
acccgagcag gcttggagtt tgccctggag gagcacaaga aggtcgacgc tcacttcgac 240
atacacgcac ccctcattat agtgccagaa agcattacac aagaaagctc cctctgtctc 300
atcttggacg caggtcacat cagtgtcaat agtgaactgg tcgataggca gaccatgcga 360
gacctccagg ccaagcagaa gcggcaatac gttgaaaacg actacaagga actggagcac 420

ttgctatacg atagattcct tcttaagctt gactccaccc aggtcttgat cggccccgga 480
gttgagagta ccaaatcgca actcacgtcc gaggtcaaga accgaaactt tcatattatc 540
gatcgtataa acgtggactt tgtcttggaa ctgtgtataa taccgaaaag caccgagctc 600
accaggactc gaatatcagg ccatctgccg gagttacacg cttcgatgtc tgacacaaag 660
tacaagggtc tgatgaaatt gattgacatc gcgattccac gatttgacga gggaggtgtt 720
tccgattgtc cgcccgcgaa gagctcgagt gaatcgacaa caacaagtaa tagagcaaga 780
tcggcttcct tccagccctc agtacccagg gaactgccgg tcgtcgacga agattccgat 840
tccgagacag atcacgagca gacaaagaaa agtgtcgata gactactcaa cattcaccgc 900
aaagaatttg agtttaagtt cacggttggc tgtcttcgtg gctcactgtt ccggtcggat 960
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gactattaca cgcgaccgtt cgatatggtc gcagagatcg ttttgcagtc tctgagcgtg 1080
gacgactata tcgaggaaaa ccccattcct gacttcaaga ggatcatttc ttccaaggga 1140
ttcgacgcag acgaagataa ggacctcttt cacctcaaat ttgtacgagt caagcccgat 1200
tcacccgagt tttcgtctac ctacgaaggt atancaatga accttgatat gtccatatct 1260
accataaacc ttgtggtcac taggaagaca cttctcaccc tgctggattt tgttctcctc 1320
accttcacaa gcccagagca gcccagaaac ccataa 1356

<210> 18350
<211> 4470
<212> DNA
<213> A.fumigatus

<400> 18350
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actgttctca cccaggacac agaacagccg ggaaaaattc ggatcaaagc tgacttgaag 180
agcatcgccc ttattctaaa caatgacggc gtcagacttg ctacactgag tcttaacact 240
gcggacgtgg gacttaatat tgttggccgc tcaatgctta tccagtctcg aatcggtagc 300
ttaaccctca ttgacgatgt caataccggc gcctcagcca cctccgacct gcggaggctt 360
ctaaccattg agggtgataa cttcgctgat ttcaaatacg agacctttga tcccgagagc 420
acaaattatc ccggttatga ctctgaggtc tatctgagat cgggttctat caaaatcaat 480
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gctatcttca atgctgctcg ccaggcggcg gctagtcaag ccaaccagct gcaagagaat 600
gcatctaaga tgcgatttga cgtcgttgtc aaaactccaa tcttggtatt tcccggtgcc 660
gtgagacctg atcgaccccg cgacacagtc actgctcatc ttggagagat ttatgctaag 720
aacactttcg ttcctctgga tgaagatgcg gaaagtcccg ccgttaacct gatttcttca 780
ggtatacgca atatccgtct aacatccaag ttccacttcg aggaagatgt agtcgaagag 840
ctggagatga ttcagaaagt caacttggag ttcagcatct gttatcttga gcatcagaat 900
gataatccac gtccagatat ggaaatcgaa gggtctatgt ctcccataaa cctcagagtg 960
tcgcaaaagc agctcaaatt tttgctagag ctctcgaaaa ctgtgcccgg cgctttctca 1020
accgactacg agcagcaaga actcgaggcc tttgaagatc ttcctacgtc tgtaacagac 1080
acaagcaaag gagcagattg gaaactcgcg cagacccccc aggaacatga aaggatcgct 1140
gaaggatcgg gttcggacga cgagacatgg gctaagctgg atatgctttt caaggtagat 1200
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<211> 2130
<212> DNA
<213> A.fumigatus

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<210> 18352
<211> 498
<212> DNA
<213> A.fumigatus

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<210> 18353
<211> 351
<212> DNA
<213> A.fumigatus

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<210> 18354
<211> 354
<212> DNA
<213> A.fumigatus

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<210> 18355
<211> 528
<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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atctag 246

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<211> 402
<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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<210> 18359
<211> 504
<212> DNA
<213> A.fumigatus

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<210> 18360
<211> 402
<212> DNA
<213> A.fumigatus

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<210> 18361

<211> 498
<212> DNA
<213> A.fumigatus

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<210> 18362
<211> 930
<212> DNA
<213> A.fumigatus

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<210> 18363
<211> 759
<212> DNA
<213> A.fumigatus

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<210> 18364
<211> 618
<212> DNA
<213> A.fumigatus

<400> 18364
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<210> 18365
<211> 918
<212> DNA
<213> A.fumigatus

<400> 18365
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ctttttcaga tccacccaag cgacactcat aaaatggtgt atcggttcgc cgagtggttg 420
aaggcggatg ggatcctggt acttggggtg tcgccctcct cgggccttgt gggaggaacg 480
gacgtacatg atctcgtctg ggactgtatg aggtgtaagg cgacgtggat ggagaggccg 540
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gccgttgagg ttgagaatat gttcgactac gtatcgaagg accccaagca tacacggacc 660
gagactcatt atttgatcgt cgggcggaag ctggagccac agccgttgct gggaccgtat 720
ccatggcctg agggcctgcc cggaaagtca atgcgcaacg agccagcttg gagacggctg 780
cagggccacc tattcttgac agatgacgag aggatgaagc tgtcctctat gctggagggc 840
catcaaagga tactggatat cgggggtgga ttggaaggtg agccacaaac gcattctgcc 900
atgaatgcca catgctga 918

<210> 18366
<211> 186
<212> DNA
<213> A.fumigatus

<400> 18366
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ggcactaaga ggttcgttac ggatttccgc ggcaagcgac actacgatcg tgggctctcc 120
tatcgcgccc gaagctcgaa catcgcgaac aagccgcagt tcaaccgcat ggtcacctgt 180
acttaa 186

<210> 18367
<211> 711

<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (711)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18367
ctgcaattcc cagaggctat ctggggtgcc gatcccttgg aattttatgg tggttttcat 60
aacctttctt ttgatgcaaa tgcaagcttc aacagcgctc tagcagtcaa tgggagcgtc 120
aaatggaaaa ctgcccgagc tctctcacac aactttgctc cagggaaaac tagaacggag 180
ctccatgtga gctttccaga aatagactgg aagttcacgc aagctgtcta tggatggtct 240
gctctacaat atcaggcctg ggcgcgcgga tcattgaata ctggccattg ggcccctcag 300
tctgtggcaa tattcacaag cgggctcctt gagattgtga ttgatggcaa gcggcatttc 360
ggaggagact tttataacta tggcacagta cccatcatta ttgatttaag tacaggtgac 420
catgcggttg aactgcggct tgttcgcgat gttcgagctt cgggcgcgat aggagagccc 480
acgatcgtag tgtcgcttgc cgcggaaatc cgtaacgaac ctcttagtgc cgataatgaa 540
agtatgctgc tgccagacat gtgccttggc aagctcggaa caccttgggc atcaattaac 600
ctacacaata acatcgcgga tcggatcacg attcttgcta tcagctcaat tggtgtcagt 660
gctaattctc tgcctctttg tagatacgaa agaagagtga cacgtctgta n 711

<210> 18368
<211> 1416
<212> DNA
<213> A.fumigatus

<400> 18368
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gagcctctgc tctcattcgt gctctcgagg tcaaggtcaa gctataaaca cgagttgctg 180
ctaagcaacg ttgcgggtat cccgatatta caacagcacg gctcgattga tgacaatgtc 240
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tatgatgaat tgcaaggcca gaatcactgg ttcgatggcg tattgaccac cccatccctt 360
ctggcattct acaatcaaag tgccaccttc cctcgtcgac ccaggcttcc tttggcattc 420
accatcactg ttccgtcctc ggcaaatatt gcaaagggtg ggatttatgt cgatcaattg 480
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gaacgcatgt ggtttctgag agattctcga ggaaggtgga ctgtctcaga gagagaggat 720
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ccagattttc tcattcttgg cgatagttgc cgttggcagg gacatgctgg agcatacgca 1320
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<210> 18369
<211> 312
<212> DNA

<213> A.fumigatus

<400> 18369
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gctgcacctc atcagcgtga attggtcgca agccacattc ggtattgcct tgcctctctg 120
tacctttacc aatataacga tgctcatgcg atgatcatag gaagcacatg gtttctttgc 180
gaggctccaa atttggttca cgcgtggcaa tgctttgctg caacccatcc cataccaccc 240
gtcccggacc cggggcgggc atgcagatcg gccgtttcag caatctcaac gatgaccggt 300
atcatctggt ag 312

<210> 18370
<211> 657
<212> DNA
<213> A.fumigatus

<400> 18370
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aacgaccagc aagcctccat ctttctgcaa caaaagctca aagttggaac agctgaacaa 180
aaatatgata tcattgaagc aatcacacat caggcgtatc cgctcatggt caatcgtttt 240
ggtaactttc ttgttcaacg ttgcttcgaa catggaacta cagaacaagt cgttgccata 300
gcaaacgcca tcaagggcaa cacgctgagc cttagcatgg atccattcgg atgtcatgtg 360
gttcaaaagg cttttgacag tgtcccggaa gaacacaagg ctgtcatggt tcatgagctt 420
ctttgcagaa ttccagaaac ggttattcat cgttacgcat gtcatgtttg gcagaagctt 480
ttcgagctgc gttggagtgg ggagcctcct cagattatgg cgaaagtcaa tgaagcccta 540
caaggaatgt ggcatgaagt tgctttgggc gaaaccggca gtttagtagt ccagaacatt 600
ttcgagaact gtgtagagga tgagaaggtg acagttgccc cagtccctcg ctcataa 657

<210> 18371
<211> 321
<212> DNA
<213> A.fumigatus

<400> 18371
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aattggtgca ttcaacacat ctgtgagcat ggtgctcctc aggacaagac acgagccatt 120
gaacacgttc tcctttggtc agtcgattac agtatggatc agtttgcctc taagatcgtt 180
gaaaaatgtc tcaagatagg aggctctgaa tttctggatc gctacctctc tcgagtctgc 240
actggccgta ctgagagacc cagaatgccc ttgatcgata gtgagtttct tcagactgtt 300
caaccgtaca ccaccgactg a 321

<210> 18372
<211> 879
<212> DNA
<213> A.fumigatus

<400> 18372
caggattatc ctgccctttg gctttgtcac gattgcaacc ggtgctgtaa cttatggtgg 60
catcatggta cgcgctttct ctatcttcca gtttctccga tgtatgattg cgctaatcga 120
gttcacctgc agcggggaag cgaagtcttc aacggtctgg cgcacttcat caagggtgga 180
atctttttct ggtacggtct gttgaccctg ggccgttgga tgggctgctg ggcagatttt 240
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ccttctggcg agtttaccga atctttagtc attttccttt acggggcaag caacgtcttt 360
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atttcgatca tgttcttcgg cggtggcctg tgtggcatgc tattcgaatc caagcgcatc 480
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gcagaccctg cttggcagac ccccgatacg caaggcgtct ccctcaatcc aatgccggcg 600
cttgtcatcc tgcttctggg aatgatgatg ggatctcacc atcaaacgag catgatgtcg 660
accatggtgc acaagcaatg gggaaatctt cttgttgggt tctccttggc tcgtggcatg 720
acatatgttt tattatacct caagcctccg acctcctatc ttccgtcgcg cccaccaact 780
gagattgtgg catccttctg cctgattgct ggcgggttga tcttcatgct aagtgtaagt 840
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<210> 18373
<211> 237
<212> DNA
<213> A.fumigatus

<400> 18373
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agcgcctgga tatcaaaatc aacgcatatg aataagcgac gaacgacctc actcacatgg 120
acaacggcca atgattgcaa tggaacttat actgctgaat ctagctacat aaaacagttg 180
acatactttc taggcttcgc aactgcatat ccggagccaa tgcggatggg tggttag 237

<210> 18374
<211> 267
<212> DNA
<213> A.fumigatus

<400> 18374
agagagtgga aggggaaaaa agaaaaatac aaaaggaaaa tcggcctcgg atcctacctc 60
ctaatctact cccgcctccc ctggctctca tattacatcc ttcttccttt ttcttttcct 120
tcgactatct cctcctatac ttcattcagc cctacaaaca tacctaacgt aattattatt 180
gcgcgccacc ccggtagcac ctcagaaccg catctcgtac agttgcggtt tcgcgcaatc 240
agaaaatctc acaggccatt gaaataa 267

<210> 18375
<211> 1368
<212> DNA
<213> A.fumigatus

<400> 18375
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acatttctgc gaacttcgat cgatgaatat ctaacagcca atggtatctc tgccgagacg 180
actttggaga ttgaatatgt cagagcattg atccccccgc tgcacatcgc atccttccag 240
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gcatctgcga caatctctca aggtcaagag aagatccttt ctgggagcta cgacggcttg 360
cttcgggtat ggaacatgtc atctcagatt gttgcgactt ccccggcggc cgccgatggg 420
gggcatacgg catccatcaa agcggccaaa ttcgtcacac cgaaccagat cgtatcggcg 480
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acaatagctc cccagctcga gctgtatggg cacaagtctg gcataaattc tctggccgtg 600
cacgcgctct cgaaccgtat actatccgcc tcctcagata atagtgtcgg cttctggtcg 660
acgaagaaat cggacgcccc cgccgcgcca gacgacctgc tgccatcggc tgcatcaagg 720
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ggtgtcaagg tcttcagtgt ttgctgggac aagacagttg gcatcgttag tgcgggagag 1320
gataagagaa ttcagatcaa ccggggcgaa ggcgtattgt ccgcataa 1368

<210> 18376
<211> 423
<212> DNA
<213> A.fumigatus

<400> 18376
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ttcaaccagg ccgtgactag gacactcgag gaggtacgag agctttgcca gcgactcgat 180
gcaggacgga gaaaccttga ggatggccgt atcatggccg ccattgacac ggtggacgcg 240
gtggaacact ctgtacaaaa ggatagtctt ttcgccaaca ctaatgtaaa acacatcttg 300
gtgcagaatg ttgccgaact aagaaaccag attgcggagg atctccgagc tcgctggaac 360
aacctactga aggttgacaa acaggccggc agcttcgaag tggccaaaaa tgacagtaag 420
tag 423

<210> 18377
<211> 1029
<212> DNA
<213> A.fumigatus

<400> 18377
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cttcctaatc aggacggcta tagccgtccg atccatgttg cagaaggctc gattcatgtg 180
cagccagaac cagccataac cactgttccg cagctgctcc atcgtgtctc cactgcctta 240
ggttttctcc ggcaatgtct accttcgtcc atttcagatt ccttctccga cactttcgta 300
cccactctgg cctccaaaat catatcatct tggctttcat ctgcaatccc gacagatctt 360
gcaggcctcg ctgactttga agcgatcctg gatagtgtgt tgaaatttgc tcagacaatc 420
gagacacttg gatggcacgg gcaggaagaa cttgtgtctt gggtgaatca agcaccccgc 480
ctctggctta ccaggcggcg agccgactcc ctcgatcaag tccgtaaagt tcttgcgggg 540
agtcatggga tgacaaagca agtggaaagg gttgaaaagg aagaggtatc tcgagcagat 600
gaagtactgt tggaaaatgc cacttccgac gactgggatg ctagttggga cgacgacagt 660
ggggacgagt ccaaggaaat cccctcagga acccaagaag gtgaggatga tgtcgcggct 720
tggggtcttg acgacgacgg tacagaggag gtagtggaga ccaaagtcgg tatctcagaa 780
tccgccgatg acgacgatgc agacgcatgg ggctggggtg acgacgaaga cggagatgag 840
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atcggacatc gtgccccccg ggaagttact ctgagagagc actacactgt cacggatatt 960
ccggactcca ttatggcgat cgtccgacag caggtcacag atgtggaagc catatcacag 1020
cctgggtaa 1029

<210> 18378
<211> 954
<212> DNA
<213> A.fumigatus

<400> 18378
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tcacagatgt ggaagccata tcacagcctg ggtaagttgg ccagtattta tgatctgtac 120
atgcgcttac aacaacttag tcatgatcat acgcgtatta tctcttctcc ggctggtctt 180
cttgcacttc cgacattaat cctggctatg ttcaaggcca cagcaccatc attctacagt 240
ctcaaattca atgctggaca aatgtacttg tataacgaca gtttgtacct tgtcgagcag 300
ctccggacta tggttgagga acataagctg tcgcgtctca gttcggatct ggacgcactt 360

gaaaagttcg gcaagctcgc ctatagcaag gagatgcaga ctcaacgcac tatagtcacc 420
gacttgctcg atggtgccca gggattcagt cagtgttcag aacagccgtt ccttggggag 480
tgcgaaaacg caatatgcgc cactgttgac agaattcgcg atgtctacaa ggaatggcaa 540
ccaatcctgt cacactctgc gcttcttcaa tcgattggat cattggtagc ctccgtcatc 600
aacaagatca tcattgatat cgaggatttg ggtgatatct cggaagccca gtcacagcgc 660
ctagtgtctt tctgtaatca ggtctctcaa ttggaggatc tgtttatgcc tccgtcagct 720
gaagctgaac gtgtgccaat taccgcggtg tacgtgcgca actggttgaa gtttcaatac 780
ctgataaata tactggaaag ctctcttgcc gacattaaat ttttgtggac agaaggagag 840
cttcggctcg aattttcagc agacgaggtg gttgatctga tcgaggctct ctttgcggag 900
tctgactacc gacggaaggc gattgcagat attcgacgac agtctcgggg ataa 954

<210> 18379
<211> 432
<212> DNA
<213> A.fumigatus

<400> 18379
ctatgctctg tttccttcaa attggctgac tgggtaacag cgaaactccg cgcactgcgc 60
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tctggtatcg atgagaattt tcaaacacgc ttcttctggg atagttactg tccagagttc 180
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atcttggttc ctacaagtag gtcatttcct tctggtatca ttcgactaaa ttgtcgcaaa 360
tctgacgcgt ctgcttacta caggtctgcg acgatatgcg ctttcgacac tggtgaacaa 420
actccttggt aa 432

<210> 18380
<211> 225
<212> DNA
<213> A.fumigatus

<400> 18380
caaaatcatg cttgtatatt ggaaagagac aagaataact ccaacttttc gtactccact 60
aagaaaccaa aagaatatgt gcgatacata ttatgcggac aatacgcctt cgccccggtt 120
gatctgaatt ctcttatcct ctcccgcact aacgatgcca actgtcttgt cccagcaaac 180
actgaagacc ttgacacctt cgcctccaac gcgcttagta tctga 225

<210> 18381
<211> 1155
<212> DNA
<213> A.fumigatus

<400> 18381
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tatgtgactt cgatactcca gaatgtctac tacggaatta caatccgcgc cggggagcca 120
cgaccccagc caccatcacc gcggtatgct cggcaccgcc gtcgcatctt catcctagtc 180
gtcacgagct atctcctgta cacactctac gaaacatttc atcaggtcca ggttaccggc 240
gatttctacc gcgctctcgg tgtctctccc ctggccgacg agaggactat caagtcgaga 300
tttcggcggc ttgctgctca acatcacccg gacaagcgcg gctacgggga tggtgaccca 360
tccgatgatt actttgtgta tctgaagctg gcacatgata cgttattgga ccctgcaaag 420
cgattcgcat acgaccggtt tggcccatat atactgtcct ggggtgatcg gaagacaatg 480
caggactttc tgtttgctgg gctgcatcga tcagtaccgc agtatgtggt tggattagtg 540
actatcatta ttctgaattt tacttattgg tcaaattggg gtcgctatgt aagccatcaa 600
ccaaggtctt tcctgaagca atgggatcag tctactaact tgaatcagtg gcgcttcttc 660
acctttgctg cgctcatcac gctcgaagca gccctgatca ctcgccctaa agcgcttttc 720
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tacctcttac cgttccagat cctgactctt gcgcagcgcg cttcggtcac tctacatata 840
ttcatctccc agctgacgcc gccagaagtg agcaagggat cttcatctgc gccaggcgag 900
cgtatccatc cacagacgat gcaacggctc gcgcagctgg ctcaactctc ccgggctacg 960
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agtccagaag ttcagcaggc tatcgcgcag gtaatggagc gcaagaagcc ggaaaagaat 1140
agcaaggctg attga 1155

<210> 18382
<211> 387
<212> DNA
<213> A.fumigatus

<400> 18382
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ctcgacatcc ccatcccttt cttccatccc ccgtccatcc ttccttatta ttcctccctc 120
accctcctct tcctctcttt ctctacttcc ccaaatatca tcaccaccac aaccaccact 180
accgcctcct cggactatgt cacctctgct tcacccttgc taccgacctc agccctgcca 240
gacttttgcc tcgccctgac caagtgtcgc cctccgcttt cgaacgtctt ggaaccaact 300
agctcagccc aacctacgca atttgtccat ctgacactca catcacgatc acatttacat 360
cctaatcatc ctgcgtcaca catttaa 387

<210> 18383
<211> 489
<212> DNA
<213> A.fumigatus

<400> 18383
accaagggga aagcctggcc cgaagaagaa gcccagactg tacgtccttg ttccctcgcc 60
gtccctctgt cttttaccac cttgctaact ctggcattct acagtgacga tggtactggc 120
gattctgtca aagtaacctc ctcccggttg ggacccaaag ccaacatggg tgccatcaac 180
gccggtcttc gcgccttgga tcgatctgga acccccttgtc gcaaatggga acggaaggcc 240
ctccagctga agagcttcac tggtgttcag tggcaattgc catcatggcg ggctcctcga 300
ccacaaaaga tcgagacaaa cgacgaggtg aaagaagcca ctctcgatac cggtgatagc 360
gacagcaagg ccaaccagag tgccagcggt gcgcccagcg agaaaagcaa ctccggtgat 420
acggagctga ctccggtccc tcctaatatt accgaagcat cttcaccagc aattgttatg 480
acggcatag 489

<210> 18384
<211> 549
<212> DNA
<213> A.fumigatus

<400> 18384
ccacagcctt tgtcaagagt aaaagtaaaa gaaaagaaaa atcactgttt tacctcccaa 60
gagaaaggca aacatctctc tattcagatg aaatcaatgg cggctgctac atccaccaca 120
aacggccgtt ccaaccggtc tgcggccccc aaggcaatcg tcatcctcag gttgtcgccg 180
gaactgctca gtcggtttgc tagtccggat gtgaaagaaa aagcgaccaa gaaaaatagc 240
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gaccttcccg tcccaccatc gtccgtcgac aatgcttcag atgccgcatc tactcctgct 360
cctgggacat ccgccgcaga taccctcgt cgcaacggtt taccggctcc caagtcggga 420
accaagcgaa gcgctggcca agcgaccgaa tctttctcta gaccaagggg aaagcctggc 480
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ccttgctaa 549

<210> 18385

<211> 972
<212> DNA
<213> A.fumigatus

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gcgcctgcag cagtggccga gcctgagcgg aagcgcaaac acaagcacaa ggaccattcc 180
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cccatctcca tctcacccac ccatgcgctg gcctctctgc tggcagagca cctctcgcct 420
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ccgttgacgc ttgcaaagtc ggcagacgag tacggcgtcc tgtacgtcta cctgacagct 600
acattcctag tcttccgccc gcagcgcggc cagatactcg agggctgggt caacgtccag 660
tccgagggct tcctgggtgc cgtcgtcctg aacctgttct ctgtcggaat cgagcgcaag 720
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gaaccctcgt cccacttcga cccggaaaag gagcacttca agcccatctc gctcgcctcc 900
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<210> 18386
<211> 1038
<212> DNA
<213> A.fumigatus

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gacatcacct cgccctccgc catcgcggcc gccgctgctg acatccgcgc aactctaggc 480
gagcccactg tccttatcaa caatgctggc gtctgcagcg gcaagaccat cctcggcggc 540
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ttgatgcgtg ctgattag 1038

<210> 18387
<211> 2271
<212> DNA
<213> A.fumigatus

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agccgcacgg agcatcatct tgatcgctct cttcagccca ccatgttcag ggccttgatg 180
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cgtgatcgag gcttgggcga tctgtcggcc tactcttctt caggcagccg cagcaagcga 360
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atcgcggtcg agcacgatcg gataattatt gaacggacac tcaaacgcag agataccgat 480
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<210> 18388
<211> 1062
<212> DNA
<213> A.fumigatus

<400> 18388
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caacctgctc gaaagtctgt tggcggtggc attgcttctt tcttcacggc ttcttctgaa 180
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ttttttcgc ttgatgcgga cttggcattt gtacccggat tcgcgcgaaa acatgctcgc 300
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<210> 18389
<211> 1149
<212> DNA
<213> A.fumigatus

<400> 18389
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gccgaaacag agcgagaaat cgacgaccca tacactctgc caaccgcaga tgcgcaggca 960
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ctcatgctgt acgctggaac cggcggttcg atcaagttcc tggatgggtt ggaatttcgg 1080
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<210> 18390
<211> 3828
<212> DNA
<213> A.fumigatus

<400> 18390
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gatgatatgt gggattttac aaagagcagc tccgcgcgca gacacaccag aaagcccagc 180
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cggtcagatg gagcagcgac agtgcagcgt gataaccaag gaccaaccgg aagctctaca 300
ccgtcttcaa ctggaactct ggacatcaag aaagggccag acaacaacgc acacgatcac 360
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<210> 18391
<211> 321
<212> DNA
<213> A.fumigatus

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tgcatttact cggtcatccg ctgcctggtt ccaaccaata attataacac caagcctaca 180
tgtaaccttc tagctccaat ccccagcttc ccctacttga aggcatacac aaattccaca 240
ccttttttgca accgcttgtg gctccgcctc ccccttttctg cccccacccc cagacaatcc 300
atggattgct gccatcattg a 321

<210> 18392
<211> 1671
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1562)
<223> Identity of nucleotide sequences at the above locations are unknown.

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gacatctctc cgcaacggac gcacgccgtc attggtggaa aggaaatctt gaagaccatt 180
cgcgtctctc ccgatcgtct gtcagaggaa ttcaatcttc gcaatgctat catcagttac 240
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anctgcaaac atgcggactt acttcgcgcc ttgttggact cgttgactca aaattcagag 1620
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<210> 18393
<211> 321
<212> DNA
<213> A.fumigatus

<400> 18393
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gacctgttcc acaacgattt cctttcgcct gctgaccagt catctttctg tttcatccta 180
gagtctagag tgtcctctgt ctcccgacag gttggactac gagcactact tgcgtcattg 240
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aagggtcatt ctgctccata a 321

<210> 18394
<211> 183
<212> DNA
<213> A.fumigatus

<400> 18394
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gacgttagtt ggatcgttcc taagaggctt gaactcaagc tctatgccgg ctgtaaacta 120
atcggcggtg gagtggtgaa agtgaagcca agcaagggaa gtaggtgtga caatgaacga 180
taa 183

<210> 18395
<211> 732
<212> DNA
<213> A.fumigatus

<400> 18395
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gatgcggcag gcgctcaaac aatctcccat agacatgggg actcgattga cagcaggagt 180
agctacggaa cgtccgccgg gagtacccga tatggtgaaa acagctccaa gcgatcgact 240
gccatgtcca gtcgacgacc ctcattcgca agcattgctc aagagtcaca tcaatttacc 300
gaagaggcat catctggcgg cgccattcat ctagaacctt tgatggagca tccaccatca 360
gccgagcaat cagctggtac ggagagccag aagcatggcg gaaagggcgg cagcttcagc 420
gggttcgatt tcggcgtagc aaccactgag aaaccatttc ctgatccatt gcgggtctcg 480
tcccatacga attcagaccg gcttagcagc acacgaggct ccgctgagct cttcttccga 540
agcccatcgc aaagctcgtt tggctcaccc gctgattggc tggatcctga tgaaacccga 600
tcgtcgtctg cgtcctccgc caacgtgtca tacaaaagct ttcgaccctt ggtgtcagac 660
atggaaccac ccagtgcctc gcaatctgag ccaaaggatg taccgaggga aaggcacaga 720
ttcgagcagt ga 732

<210> 18396
<211> 1464
<212> DNA
<213> A.fumigatus

<400> 18396
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ggcttagcag cacacgaggc tccgctgagc tcttcttccg aagcccatcg caaagctcgt 120
ttggctcacc cgctgattgg ctggatcctg atgaaacccg atcgtcgtct gcgtcctccg 180
ccaacgtgtc atacaaaagc tttcgaccct tggtgtcaga catggaacca cccagtgcct 240
cgcaatctga gccaaaggat gtaccgaggg aaaggcacag attcgagcag tgaaagcaat 300
acatcagttt ccaagtttgc tcgtgctcta ggccttgatt tcccccatca tgcgacggag 360
aattcgactt cttcttcttc cgaatcgtcg ccctctgaag cacggagcgg aacctcaatc 420
tctagtcttc cctcggaggc gagtctgtca agaagaaagc catcggagac gagccgacta 480
ggagtcgtca aagagcagcc ggccaatggc aatcagcagc cagtgctgcc agaaaccgag 540
cagacggaaa gtcccgctga tcttgaaccc ccgcgaatcc ctgcttcatt tctcagtccc 600
gactccccga cggacccggc tatcaataaa ggtagtctgt ccttggtagt agacaaggca 660
accaccactc ctccacagcc gagcgagccg agcgagcctc gcgtccctct cgtacgtcaa 720
gaatctcacg atcctcaaac cgagcccccg gaacggccca caatcactcg atcggcgaca 780
gagtctcctg ttcgtccgcc acctcgtccc aaaggacgtt gtcggggatg cggtgaggcg 840
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tgcttcgtct gctgccattg ccgatcgcca ttcgagacgg ccgatttcta tgtgctgaat 960
gaccgcccat actgtgcaca gcactatcac gaactgaacg gatccctttg cagtgcatgc 1020

aacaagggta tcgaaggcca ctatctcgaa acgaacgaga gaagcggccc ggggccggcg 1080
gatcacaaga agttccaccc cgactgtttg acctgtcgaa cctgtgggat tcccgtaaag 1140
ggcgagtact acgaatggaa tggtcaggta tattgcgaac gcgacgctcg ccgggccgct 1200
gcatccatgt cgcccaatcg aatgcgccgg ccgaccttgc catcgtcgcc tttggccgct 1260
cgtcccccga actacccccc gatgcctcct gggtatcccc gtcgccccgg ccctggccct 1320
gggcctggcg ggcctggctt tggcccgggt cctggtcctg gctctcgtcg tccttccgga 1380
atgttggata taccacgcgg gcctcccccа gctggcgccc gacgattccc ggagaggcgg 1440
acgacccggt taatgatgac atga 1464

<210> 18397
<211> 663
<212> DNA
<213> A.fumigatus

<400> 18397
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gaacggatca tcccgcttct tgcggaggcg ctggagtccg tcccgtcggc tacgccgtgg 180
tcgaaacggc tcgtcctcgg gtgctggtct gccgcgttct tcccgctttg tgagagctac 240
ctgcctgggt ttgagaccgc gttgatcggc ttcgatctgt ggtatgcggc gcgcgtgctg 300
cgggggagcc cggccgcggt gaatgttaat cagaaggtgt tgatggggat gggaaggggg 360
tttctggagg aagcgcgggc cgcgggtcgg cgggtgtttg tgtggacggt gaacgagccg 420
agtttgatgc gatggtctat tgagcagggg gtggatggga ttatcacgga tgatccggga 480
cggtgtcgga gtatggtcct ggacgcggtg aaaggggcga gtccggggac tcgacacgac 540
gagcgagtca ctgtctcgca gagggctcag gcgtgggctg tgtcccttct ggtggtcatg 600
tttgggtggc tctttcgacg aaagtttctg tatccgctgg agaagcgaga taagagcgag 660
tag 663

<210> 18398
<211> 864
<212> DNA
<213> A.fumigatus

<400> 18398
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gccaggccca gggccagggc cggggcgacg gggataccca ggaggcatcg gggggtagtt 180
cgggggacga gcggccaaag gcgacgatgg caaggtcggc cggcgcattc gattgggcga 240
catggatgca gcggcccggc gagcgtcgcg ttcgcaatat acctgaccat tccattcgta 300
gtactcgccc tttacgggaa tcccacaggt tcgacaggtc aaacagtcgg ggtggaactt 360
cttgtgatcc gccggccccg ggccgcttct ctcgttcgtt tcgagatagt ggccttcgat 420
acccttgttg catgcactgc aaagggatcc gttcagttcg tgatagtgct gtgcacagta 480
tgggcggtca ttcagcacat agaaatcggc cgtctcgaat ggcgatcggc aatggcagca 540
gacgaagcat tcgcggtggt atcgcccagt caggcggcca tccttggacg agacagactt 600
ccccaaaatc gcctcaccgc atccccgaca acgtcctttg ggacgaggtg gcggacgaac 660
aggagactct gtcgccgatc gagtgattgt gggccgttcc gggggctcgg tttgaggatc 720
gtgagattct tgacgtacga gagggacgcg aggctcgctc ggctcgctcg gctgtggagg 780
agtggtggtt gccttgtcta ctaccaagga cagactacct ttattgatag ccgggtccgt 840
cggggagtcg ggactgagaa atga 864

<210> 18399
<211> 486
<212> DNA
<213> A.fumigatus

<400> 18399

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actatcgccc accgcggcag aatcaaacac cccaccgcaa ccaacccccg ctcctgccag 120
taccccgaaa acaccctcga gagcttccgt gccgccgccg ccgccggctg cgacgccatc 180
gagacggacc tccgtgtctc ccgcgacggg gtcatcgtgc tctgccacga ccgctcgctc 240
gagcgggttt acggcgtgaa gcggctcgtg gacgaatgta cctgggccga gttgcagtct 300
ctcaaaacca cccaggcgcc gcacgtgcgg atgccgcggc tagtagattt cctggcggta 360
ctttgtgagc ctgggtggga ggagatgtgg gcggtgttgg atattaaggt atgtaccacc 420
tctctagtct actctactct gctcttattc tattctaccc tttgggggca agggaaaacg 480
ctatag 486

<210> 18400
<211> 300
<212> DNA
<213> A.fumigatus

<400> 18400
agtcagctcc agtgtagacc ggaaaccgag caggtgatgc aggagatcat tctggcagag 60
ttcagacact acacaattat tgcggtgagg catcggttgg agatgattgt ggactttgat 120
cgggtggtgg tgatggatcg cggggaggtg gtggaggtcg gaaatcccgc ggccctgaaa 180
gagaaggctg ggagtccgtt tgggcagttg ggggctgctg ctgctgcgta ccaactttgc 240
gcaacttctg ttcagtactc gttctacccc tacttaatct cgatggaaat atatttatga 300

<210> 18401
<211> 789
<212> DNA
<213> A.fumigatus

<400> 18401
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agactgaaga tgctaggtgt ggattctctc atcatcgaca aaaatgagtc agtcggagac 120
aattggcgtc ttcgctatcg tcagctcgtc ttgcatgatc ctgtgtggta cgaccatatg 180
ccctatgtga aatttccagc ccattggccc attttcacgc ccaaggacaa gctggccgaa 240
ttcttcgagt gctatgttaa gatgctagaa cttaatgttt ggaatagaac gactatctct 300
cactgcgaat gggacgagca aactaccacc tggaccgtgt cgctctctca aaagcaaagc 360
gatgggacct gccaagtcag aacattccac ccgcgccata ttatccaagc cacaggacat 420
tccggcaaga tgaagatgcc ctatatcccg ggtatggaaa acttccaggg taaacgtctc 480
tgtcattcct cgcaatttcc tggcgcagag aaaaatggtt ctggcaagaa agccattgtt 540
gtgggctcct gtaactcagc ccacgacatt gcacaggatt accaagagaa aggctatgat 600
atcacgatgg tccagagatc aacaacctgt gtcgtttcct cggctgctat cactaagatt 660
ggtctaaagg gcctttacga ggaggatggt ccgccggtgg aagatgcaga ccttctactg 720
cacggtaccc ctaacaccag tcttgaaagt gcttcaagct cacatcactt caaaagaagt 780
cgagcatga 789

<210> 18402
<211> 813
<212> DNA
<213> A.fumigatus

<400> 18402
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agactaaaaa cctttaacga ggctgtcatg ccggaggacc gcgacggtcc tggagaggag 120
gacatcgttc cagacacgaa ctggccggat cgcggactgg ttaagttatg caatgtatcc 180
gcccggtaca tttccacaac cgtgtctaat accgactctg agtctgactc taactccgtc 240
gttcatggcg ccgctaagcc acccctagcc ctcaagaaca tcactctaac catccaccca 300
ggcgaaaagg tcgccatctg cggccgcacc ggcagcggca aatccagctt cctcgccctc 360
ctgctgaaac tccttgatcc actgccatca accagcaaca atcataatca tgaacctccg 420

gtcttgattg acaacattcc gctgcaccgc atccaccgcg cgaccctccg ccagcgcctc 480
atcgccgtcc cccaggaccc tgtctttctt cctgatggca cgtccttccg cgcaaacctc 540
gacccaacca acactgcgac cccggaggag tgccagcggg tcctcgaagc agtccagctg 600
tgggggttca tccaggaaca ggcggagggg ctgcatgcac ccatcagagc aggaaccttg 660
agtgcggggc agaggcagct cttctcatta gggcgggcga tgctgcgcgt gccattatcc 720
gcctgcgttc gacgtcttcc tcctataagg aagggtccaa gagtcatgat caaggaggga 780
tcctcctcct cgatgaagtc agctccagtg tag 813

<210> 18403
<211> 609
<212> DNA
<213> A.fumigatus

<400> 18403
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cccctaacac cagtcttgaa agtgcttcaa gctcacatca cttcaaaaga agtcgagcat 120
gatcgggagc ttctggatgg acttgaaagg gctggattca aggtcgatca tggccctgat 180
ggctctgggc tactgatgaa gtatttccag cgtggcggtg gctactacat tgatgttggt 240
gcctcacaaa tgatcataga cggcaaaatc aaggtgaaac aaggccagga gatcgccgag 300
gtgctgcctc atggcttgag gtttgccgat ggatctgagc tggaagccga tgaaatcatc 360
ttcgccactg gatacgacaa catgcgcacg caaactggca tgcttttggg caataaggtc 420
gccgacaagg tttctgatgt ctggggctat aatgaagagg gagaaatcag aaccatgtgg 480
caggatagtg gccaccaagg attttacttc catgggggca atctagcaac ggcaagatac 540
tactccaagg tgttggccct ccagatcaaa gccctcgagg aaggtatcca tcggtatggg 600
gaaatctga 609

<210> 18404
<211> 249
<212> DNA
<213> A.fumigatus

<400> 18404
cgccataata agacagtact ggtcaagaca aactgtctat cgtcggaaac ctccactacc 60
accacggggt cctcctctgc caccacctct gctcccacca cggaagccgc ctccaccaaa 120
accacctccc ctaggtcctc cacgtcctcg gggggcgccg cctcggccac cacgaggtgc 180
accacgtcca cctctggcgc ctccgcgacc acctcggcca ccggcggcct tcttcggttt 240
cgggcctag 249

<210> 18405
<211> 405
<212> DNA
<213> A.fumigatus

<400> 18405
tggcatagta ttgttgcaag cagacgaact tggacgcgcg ctgtatattt ttacaacatc 60
gtagcaattg aagcagcaaa ctttgatatg cataataaaa tatctcgaaa aaaaaagttc 120
ctgcaagagc tcccgttttc ccataacgcc ataataagac agtactggtc aagacaaact 180
gtctatcgtc ggaaacctcc actaccacca cggggtcctc ctctgccacc acctctgctc 240
ccaccacgga agccgcctcc accaaaacca cctcccctag gtcctccacg tcctcggggg 300
gcgccgcctc ggccaccacg aggtgcacca cgtccacctc tggcgcctcc gcgaccacct 360
cggccaccgg cggccttctt cggtttcggg cctagacaaa gttag 405

<210> 18406
<211> 741
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (201)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18406
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aaccgctggt ctgaacttgc ggatacagcc atggcttctg aagaatcgaa agaattgcca 180
gtgcggcctg cagaaggcca ngacgccaat gccaccgccc cgccaaaggc tgcaaaagca 240
actgcagcct cgaataatga ctctctcccc gatttcataa ttgaacggaa caagctcttt 300
gaagagttgt ggcaacagta tcttgaagag ctcaagaata agcctcaccc ggaaatcaat 360
gtccttcttg atctcggcga cgggaacccc tctcctgtcc ccgctaaagc ctgggagacc 420
accccaggat cgtttttgag agacgtcccc aaggatatca gcgccaatgt cgtactcgcg 480
aaaatcgatg gcaaggaact ctgggatttg aaccgtcctc tagagcgcga ctgcactgtc 540
tcttatgttc cgttcgacag ccccgaaggt cgggaggttt tctggcattc gagtgcgcac 600
tgcctcggtg aggcatgcga atgcgaatat ggatgccttc tctcccacgg gcctcccact 660
cctcaaggtt tcttctacga tatggccatg ccggacaagt cagtttgcca ctcctacttt 720
ttccctacgt gtgccttgtg a 741

<210> 18407
<211> 300
<212> DNA
<213> A.fumigatus

<400> 18407
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ctggatagca gggcgtcgcg gatcttcaag gaaaagcaaa gcttcgatcg attggaggtc 120
acgaaggaaa acctcaagaa aatgtttgcc tacagcaaat acaaattgca ctacattgat 180
aagcttgtca caggagaaaa gagtacggtt tatagatgcg gtaccctggt cgacctttgc 240
agaggccccc atatccagaa cactggaaag atcaagacct tcaagatcat gcaggtatga 300

<210> 18408
<211> 711
<212> DNA
<213> A.fumigatus

<400> 18408
aactcttccg catatttcct tggtgaccag aataacgact ctctacaacg tattcgtggt 60
gttgctttcc ccgataagaa gcagatgcag gaacatctga agttcttgga ggaggcggaa 120
aagcgcaatc acttgagaat tggcaaggac caggagctct tcttcttcga tgaagtttct 180
ccaggctgtc cgttcctcct tcccaacgga actaagattt tcaacgcgct ccaagctctt 240
ctacgggctg agtaccgcaa gcgcggctac caagaagttc agactcccaa catgtacgac 300
gtcggcatct ggaaaagatc tggtcactgg gcgcattaca aggatgatat gttcaaactc 360
gacgtggaga agagagaatg ggctctcaag cccatgaact gcccgggcca tttcgtgctc 420
ttcggccacc gcgagaggag ctacagagag ctcccgctga gaattgcgga ctttggtgtt 480
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caagacgata cccacatctt ctgcacccag gatcaggtga gaggggatct tacactatct 600
tttacatctt attgtcaact aacccccccc aaaatcgcct ccgagattca aggtctcttt 660
gatttcctcc agtccatcct acggattgtt cggggtttac tttccagctg a 711

<210> 18409
<211> 261
<212> DNA
<213> A.fumigatus

<400> 18409
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cgttactgtc taggagaccc acatgatcat ggtgctcttt gggccgctct tggtttcatg 120
ccctttgggt tattctttga ttttatggat ggcaagatcg cgagatggag gaagaagtcg 180
tccctcatgg gacaggagct ggactctctg gcggacttgg tatggcaact tcgcactcct 240
gagggcagca gacgcagctg a 261

<210> 18410
<211> 219
<212> DNA
<213> A.fumigatus

<400> 18410
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ttgtacgcag ggaacaccac aaacctgacc cagaaggtcc agatgggcgc gaggttgcat 120
ggacgtcagg tatgggatgc cgaagccggt tctctggttg tcaagcagta cagtgaggca 180
acagcagctt acttttccc aatcttagct acagtgtaa 219

<210> 18411
<211> 183
<212> DNA
<213> A.fumigatus

<400> 18411
cgacacttta ccgtttcgag gctcccacca tttgaaaact tctccggact ccgaactcca 60
gacatctcca tcaattccaa caccacaatc aagatgtcgt ttcgtggagg tggccgtggc 120
ggtttcgcct caggcgccaa ccgtggtgga aactttggtg gacgtggtgg tgagttcgag 180
tag 183

<210> 18412
<211> 219
<212> DNA
<213> A.fumigatus

<400> 18412
acttaccctt cacctcttgt cgcaaaccga gtgactgacc ctcttcatca gacccctatt 60
ggcaaggtcg acgaagttct cgggcccatc aaccaggtct acttcaccat caagcctcaa 120
gagggcattg tcgcgacatc cttcaagcct ggcgacaagg tctacatcgg aggagataag 180
cttcttccgc ttgagaagta cgttctgcaa caccttga 219

<210> 18413
<211> 369
<212> DNA
<213> A.fumigatus

<400> 18413
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gaccatcttc tgttagcgtt cttcgtcctt tgcggtctga cgcggttggc ccgattcaac 120
gttaccgtcg ctgtccttcc caaggataag accggcaagt ccaagtactt tgaaggcaca 180
ccgattccaa cgacattggg catcgcttcg ctcatggcct actgggtatc tcagggctgg 240
attctcaagg atcttcctct tggactagcc gcccagggca cgccatttga atttcacccc 300
gttgtcctgc tgtttgtcct gcacggctgc atgatggtca gcaagtcgat aaagattccc 360
aagccatag 369

<210> 18414

<211> 1080
<212> DNA
<213> A.fumigatus

<400> 18414
gcttctcaat atccgcacgc tcttctgtgc ctgcttccca agatgtggct tgatcgcata 60
tcaggtcact ccacccctc ctgtgtccct ctcgatagtc gcagcaattc acctgcaccc 120
cgaagatctt cttccctcct ctcgcctgct ccaccgaaca accgtccaag tccgaaccgg 180
caaggctcct cgttatccgt tctgctgaca ccaagtgact caaccacctc tctgccggca 240
accgcacgcg gagtcaatgg ttcggttctc aaacaaggcg ctgcaaggtc ccgtccttct 300
gatgtagctg atccgctcga ggtgctgaag gacattattg gaaagcagaa ggctgacgta 360
gagacaaatg agtgtctgaa ggcgtcagcc ccggaagcaa agccattaca cttggttgag 420
accatagact tcggagacct tagccttgag gagttcgtat ctcaggtagg cgagccacgg 480
agagctacct ctgccgatgt tagtgcacaa acgctccagc aatttgagaa ggaaagagat 540
aagtaccagg aactacatgc tgccatcaca agctgtgatg atgtctcaaa atctgttgag 600
gtgtatctga atgacttcca aagtgaactt ggtgctgttt cggctgagat agagactctc 660
cagactcggt ctgtacagtt gaatgcgatg ctggaaaacc ggcgcaaagt agagcaactt 720
cttggacctg ctgttgagga aatcagtatc tcgccgagag ctgttcgaat gattgccgag 780
ggacccattg acgagaattg ggtcaaggcc ctgaatgaga tcgaagcacg tatgacgagt 840
atagaagcca aggtttctgg tagcagtagc acaaaggcaa ttgaagatgt gcgaccgctt 900
ctgaatgata tcaagaacaa agtcagtatc atttctattg gcccaaactt tgagtccgtg 960
ctgacgagag tggcaggcag tggaaaggat ccgggactac ctagtgtccc agatcagagc 1020
attgcgttct ccgaacatca atgctcaaat catccagcag cagcgcttgg tcaagtttaa 1080

<210> 18415
<211> 1002
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (987)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18415
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aaacagatga tgtacgacct ctgcgcaaaa cgaggcatcc cccaccgcaa cacgaagaaa 180
tggatcgtcg cgcagaacga agagcaatgg gctgccgcgc tgggcacaca caagctcgcg 240
cagaccctcg gcgtacccac ccggctcgtc ggccacgagg aggcccagcg gcgggaaccg 300
gaggtgcaag ctctcgccgg gatcgtggag agcgacacga cgggcatcgt tgacagccac 360
gcgctcatga catacctgca gggcgacttc gaggaccgcg gcggggactg cgcgttcctg 420
acgaacgtga cggggatcga ggcgctggat ggtggccggg ccgggtacag aatcacggct 480
gtgtcggcgg acggggccga gacctccatc acggcggaga cgctcatcaa cagcgcagga 540
aacggggctt gcgcgatcaa caacatggtc ctgccgcggg agcggcaccg caccccgttc 600
tacgccaagg gcacgtactt ctcgtactcg gcttcgtttc ccaggacttc cgtactggtt 660
tatccggata cgctgccggg ccatgggggg ctggggacgc atttgacgct ggacctgggg 720
ggtcggatcc gcttcggacc ggacgtcgag tgggtggatg atccgacgga tctgaagccc 780
agtcccgcga gggtgcagca ggccttgccg gagatcaagg cgtacctgcc gcgtgttgcc 840
ccggaagcca tcagcctgga ttactgcggc atccggccga agctgggccg cggcggcgcc 900
gtcaacacgg gcaaggggtt ccaggatttt gttattcagg aggaggcggg atttccgtct 960
tctaccacag gcggtcggaa ggatccngag cataggtgtg ga 1002

<210> 18416
<211> 405
<212> DNA

<213> A.fumigatus

<400> 18416
cgagagtggc aggcagtgga aaggatccgg gactacctag tgtcccagat cagagcattg 60
cgttctccga acatcaatgc tcaaatcatc cagcagcagc gcttggtcaa gtttaaggac 120
ctgtacagtt acatctcgcg agctcatcct cagcttacgg gagagattac gcaggcatac 180
attaacacta tgcgctggta ctatctctct catttcagtc gctatctgca ggcccttgaa 240
aagatcaaag tctatccgag tgatcggaac gatatacttg gaggagaccc ttccgcgccg 300
aagacaggtt cgtcattctt gtccagttgc tcttctctgc agtcaaggct tatgtttcat 360
agggcatatt atctcctcgg gtcgctctgg gtccgctgcg catga 405

<210> 18417
<211> 1179
<212> DNA
<213> A.fumigatus

<400> 18417
tgtcccagat cagagcattg cgttctccga acatcaatgc tcaaatcatc cagcagcagc 60
gcttggtcaa gtttaaggac ctgtacagtt acatctcgcg agctcatcct cagcttacgg 120
gagagattac gcaggcatac attaacacta tgcgctggta ctatctctct catttcagtc 180
gctatctgca ggcccttgaa aagatcaaag tctatccgag tgatcggaac gatatacttg 240
gaggagaccc ttccgcgccg aagacaggtt cgtcattctt gtccagttgc tcttctctgc 300
agtcaaggct tatgtttcat agggcatatt atctcctcgg gtcgctctgg gtccgctgcg 360
catgacccgt tttcgctggg gagacgtatt gacatacttc ggactagtaa ccacatggcg 420
ttgtcagcat atctcgctga agaggacaat gcgttccatg gaatcgaagt ccctttcaga 480
aactttaacc tggctttggt ggacaatata tcggctgaat attctttcat gacagagatg 540
ttttccactt tgtcctttca ccagatttct cggaaggccg tcgagatatt cgaacctgtt 600
ttcgctctgg ggcaaggtct cacaaagcaa ttgatcgaga actcgacaga ctcattgggg 660
gtgttgatct gtgtacgact gaaccagcaa gcggcattcg aactgcagcg gcggaaagtg 720
cctgttgccg attcctacat caacggaatc aacatgcagc tttggccccg attccaagtt 780
atcatggacc ttcaccggga gtccctgaaa cgagtggcgt ccaacaccgg tcggagtgct 840
gtttctgccc tgtcattagc tggaggcgat gacttgaccc aatcttcagc acctcacttt 900
ctcacacagc ggtttggtca actcctgcac gggatattag tgctgagcag cgatgctggg 960
gatgacgaac ctgttgcgaa cagtctgaag cgattggtcg ccgaatttga tggcttgttg 1020
accaaactta gtcgcagcgg gggtgacgca aagagaaggg agaaatttct gttcaataat 1080
tattctttgg tgttgaccat catcagtgta agccgaatca tccactccgg aatgtgtctg 1140
atctctgaca gggagcacag gatacccatg gcaaattag 1179

<210> 18418
<211> 522
<212> DNA
<213> A.fumigatus

<400> 18418
aacggggtgc ggtgccgctc ccgcggcagg accatgttgt tgatcgcgca agccccgttt 60
cctgcgctgt tgatgagcgt ctccgccgtg atggaggtct cggccccgtc cgccgacaca 120
gccgtgattc tgtacccggc ccggccacca tccagcgcct cgatccccgt cacgttcgtc 180
aggaacgcgc agtccccgcc gcggtcctcg aagtcgccct gcaggtatgt catgagcgcg 240
tggctgtcaa cgatgcccgt cgtgtcgctc tccacgatcc cggcgagagc ttgcacctcc 300
ggttcccgcc gctgggcctc ctcgtggccg acgagccggg tgggtacgcc gagggtctgc 360
gcgagcttgt gtgtgcccag cgcggcagcc cattgctctt cgttctgcgc gacgatccat 420
ttcttcgtgt tgcggtgggg gatgcctcgt tttgcgcaga ggtcgtacat catctgtttg 480
ccgcggatgc agagtttggc tttgagggag tcggtcccgt ag 522

<210> 18419
<211> 288

<212> DNA
<213> A.fumigatus

<400> 18419
tccaaatcca tgctgggaag ctgcatacct gtttctgttc ggttgctaat ttgccatggg 60
tatcctgtgc tccctgtcag agatcagaca cattccggag tggatgattc ggcttacact 120
gatgatggtc aacaccaaag aataattatt gaacagaaat ttctcccttc tctttgcgtc 180
acccccgctg cgactaagtt tggtcaacaa gccatcaaat tcggcgacca atcgcttcag 240
actgttcgca acaggttcgt catccccagc atcgctgctc agcactaa 288

<210> 18420
<211> 498
<212> DNA
<213> A.fumigatus

<400> 18420
ttcactgtgt actttgctgc gtttctactc tcaggctgcc ccgcatccat gcacatgtcc 60
cctcttctgc ttcatacctc aaccatcgag cgaccaagct acaactgtct tcaactgtca 120
tcttattcag gctgggcact atcaactgac atttgttctt ttcagcatga gaccttcgag 180
tccgccgacg ctggtgcgtc tgcgacctac cccatgcagt gctccgctct gagaaagaac 240
ggtcacgttg tcatcaaggg tcgtccctgc aagatcgttg atatgtctac ctccaagact 300
ggcaagcacg gtcacgccaa ggttcacatc gttgccctcg atatcttcac cggcaagaag 360
ctggaagatc tttctccctc cacccacaac atggacgttc ccaacgtcac ccgtcgtgaa 420
taccagctcg taagtcgacc tgccaaagcc atgtcaatct cacctccaga tgtctcactg 480
atatgcttcg cagcttga 498

<210> 18421
<211> 204
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (158),(196)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18421
agctggggta accaatggta tgtatgcgac tatatggctg gctatcaatt ggatacttgt 60
gttgctgtgt tttgtttgat gatgtctacg gagggttact tcaagccacg cattctgaag 120
ccagctgatc tgttacttag acatgcgcat tgccttgnat gtcgcgtggg ctgtgaatct 180
gtgcgtgtac agacgncatt ctaa 204

<210> 18422
<211> 705
<212> DNA
<213> A.fumigatus

<400> 18422
gtcaatccgc atatcaacct cttcttcttc aattcgcgag gatccgtcgg ccggcctgtc 60
acccatcgta aaggccgcgg gtggcgcgga gggtttctgg ggtccgcgat cgagcaatat 120
atcaaactcg atatgaataa gtggcttaga gtcctccgcc atctcgagct catgccccga 180
ccgttgggcc aggactggag tgagatctgg ctgcagaaat tcagcggcac cattacgatc 240
tggcccaaga gcatcccctc cgacttttac catatactat cggaccttag tccagagcgc 300
atagcacgca tgcttcacgt gggcaagcaa agtgctttcc cgaagattca atttatcaag 360
aatcggctca aaatcgaaaa cgcgattatg cagggcctgc agcagtgttc ctccggcgga 420
ggaagggtga tgtcaccgat tctgtcgcgc cgacgccagg accgtgcaca ggaacatgca 480

gaccggatgg tcgagcgtct cgaccagagc ttccctgagc gccagtcgga ttacaaagac 540
gagtcccact acgcggaggt ctcagacagc ctgtctgcga cttcgtcccg cccacacacc 600
ccggacgcgc gacgaagcag catgttcgag gaaatgcggc gccagtcagc tgttttcttt 660
gacgatccag acatgtacgc cgacgaggat gcagtaacta cctag 705

<210> 18423
<211> 1632
<212> DNA
<213> A.fumigatus

<400> 18423
cctggagttg ggattgtggc ttgtttgccg atgcgtgggg cggtgacacc atctgacgtc 60
gatgtcaagc tactcgcggc ttccaaacag gctttgggaa tagcatctca gcaacgtttc 120
ttctcccttc tatatatcca ctatgaatgt tatccaacaa tgacatcgga tgaaaagtct 180
gccactcgcg acatatacga tcccaatacg cttcccgact atgaccggga gtttatcgaa 240
ccggatgacc tccgccaatt cgagaaggcg ctgaatgccc ccgaagccgc tcctctcgtt 300
gcgctcaatg actggcgtcc agtcaatcaa cgagttcgga aaagccgtcg aaccaaaccg 360
aggagaagca aagacgaaac gcgagaaggt gtactctaca cggtgttgaa atggccattc 420
ctctttacgg tttttgcatg gataacggtc ctcggcttcg cctatacact gacgcgcttg 480
tatatcttcc tatatgagca atttgtaaca tggagaggca agagggagca actaaggaga 540
gagctgtcca tgcaaaccaa ctatcaggac tggctgaaag cagcacaggc actcgatact 600
tacctcggaa atctcaagtg gaaggaaacg gacgaatatg catactacga ccatcttacc 660
atcaataaag tggttgcgca gctgaaacaa actagaaagg cagccgagat ggagatgcaa 720
aatggacgcc caggcctgag tgatcctcct gccgtcgaag agctttgctt tctgctcgaa 780
gcatgcgtga agaataactt cgcaggcgtg gaaaatcctc gattgtatag tgaaacatat 840
tcaggaacga aggatctcgt gcaggagtac atggacgaag tccactcttg tatccggcta 900
gtccgggata gtaaacagat ctcgaatgag gacaagtatc agttcttcaa gcatctggac 960
accaactttg gtcgcacggc tctctgcctg tctggcggtg ccacatttgc ctattaccat 1020
tttggtgtca tccgggcgct gctcgataac gacgtcttac ccgagatcat taccggaacg 1080
tcaggaggtg ccttggttgc cgctctagtc gctactagga ctgatgagga actgaaacag 1140
ctgctcgttc cggccctggc tcataggatt agggcgtgcc atgagggctt cacaacgtgg 1200
gtgcggcgtt ggtggcgaac gggggccagg ttcgacactc tggattgggc tcgccagtgt 1260
agctggttct gcaggggctc gaccacattt cgagaagcct acgagagaac cgggcgtata 1320
ttgaatgtct cctgtgttcc gtctgaccct cattcaccga cgattcttgc gaactatctc 1380
acctcgcctg attgtgtcat ctggagcgca gtccttgcat cggccgcagt ccctggtatt 1440
ctcaacccag ttgttctaat gaccaagaag cgtgatggaa cacttgctcc atattctttt 1500
ggacacaagt ggaaggatgg cagtttgagg acggatatac ctatcaaggc tttgaatctg 1560
catttcaacg tgaattttac aatagtatca caggtaagtt ttgctttcca ttgggtcact 1620
agttacaagt aa 1632

<210> 18424
<211> 210
<212> DNA
<213> A.fumigatus

<400> 18424
gttttgattt tcctctgggt cagggacccg ccgtactggg gctgtcgcga tgcactaggt 60
acctacctac actccatggt atggtacggt acgatggtgg aatactttga gtacctgaga 120
gttgtaggca tacgttattt tcttcccgtt attttctttc tcgctgcctt cttctactct 180
tacaatttat gtaaaataat aatgtcgtaa 210

<210> 18425
<211> 207
<212> DNA
<213> A.fumigatus

<400> 18425
tacaagagga agccgatcta ctctaggggt atgtcatacg ccaacgtcac gcaccacgtt 60
caaaagaaat ggcactatgc gaccgggttc ccttcgtctt tcgcgaagat ccccggagat 120
cgactgcgca tggtgacctg gcgcctgcta acaccgttgc cgactagcca ccagccatcc 180
atgcaggcat ccgaaaacag aaattga 207

<210> 18426
<211> 447
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (90),(91)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18426
gaaccgttca ccccatgggc ttcaagggct ttttttcgg tcatgcggac ttgcattttc 60
gcccatgtcg ggatccggaa aacacgggcn ntgtgggcag ccgagattaa caaccttgcc 120
aagtcggtgc ctggcgccgt cgggtcgatc tggctgcgtc tctcgctctt ttacatcttg 180
ggttcgttaa tggtcaccat caccgtcgac cccaaggacc cagacctgtt cggtgcatcc 240
ggtaccaatg cctctccctt cgtcattgcc taccggaacg cgggactcgt cccactggcg 300
cacatcatga acgcggtcgt tttcatttcc gtggtctcga ccggaagtat ccaggtgtat 360
gccggctctc gcacactgat gggtctcgcg catctgaaaa tggcaccaaa ggttacttgt 420
tccacccctg cgtctcccgg gtcctag 447

<210> 18427
<211> 582
<212> DNA
<213> A.fumigatus

<400> 18427
ctaaactcgt cacagttctt cggcaaagca gacaaagtcg gccgtcccgt cgccggtctg 60
gtcctcaccc tggtcatcgg cggtggactg gcctatctaa acgtgagcaa cagcggcgcc 120
gaggtcttca cctggttctc caatctcact tccctcctta ccctcttcgg ctggggcatg 180
atctgcctgt cgcatctccg catgcggtac gcctggaagg tccagggccg gtcgccgtcg 240
gagctgccgt ggaaatcctg gacgtacccc gtcggtgcca tctggggtct cttctggtgt 300
gtgctgctca tcgtcgtcga gttctatctc agtgtgtggc ctcttgatgg gaagccgacg 360
gcgaagggct tcttcgcgaa ctatgtcagt gtggtggcga ttattgtcat ctacattgga 420
tctatgattt attacaaggg gccgctcctg aatgacgcga gaagcattga tctggatcag 480
ttccgtcggt tctatgtcga tccccgggat gaggaagcca aggctgagaa ggcaggggtg 540
aagaagtatt tggctaaggg gattggtttt gtcttcaact ag 582

<210> 18428
<211> 210
<212> DNA
<213> A.fumigatus

<400> 18428
tgctggctgg tatttagacc tgcctccatg ccctccttcc attcttctct ccatcgcacg 60
cagccttctc tggccaaaga tggacctaac cgtccttcgc tccatgtcgt cgcggtttcc 120
gtggcctctt tccctttcct ccttcctatc cccccgcaaa cctcggccat cggcgttggt 180
gtcggtctcg acgcagactg tacccaatag 210

<210> 18429
<211> 1503

<212> DNA
<213> A.fumigatus

<400> 18429
ggttttggaa aacaaggcca aactggtgtg gtcagaattt tcatcacacc tgatgctggc 60
tggtatttag acctgcctcc atgccctcct tccattcttc tctccatcgc acgcagcctt 120
ctctggccaa agatggacct aaccgtcctt cgctccatgt cgtcgcggtt tccgtggcct 180
ctttcccttt cctccttcct atccccccgc aaacctcggc catcggcgtt ggtgtcggtc 240
tcgacgcaga ctgtacccaa tagccgaccg ccatctgtca aggttcacac accgtctccc 300
gaggaagaat tacatgctcg tcgggagatc gcgcggagtg atgcggagga ctggctacag 360
agcctggttg gccaggacaa tatcaaacgt cgcttaaatg agattcaaac atggatcacc 420
atttgtcaga gacaagggaa agatccaagg caggaatggt acaacattgt cctcgagggc 480
aatgaaggga cgggcaaaag tactgtcgcc cgcgtatacg ccaacgtcct cttttcgacc 540
ggcatcaccg acgtgctgac ctttcgagaa atctctggag ccgcgctggc cgcgcaggga 600
tgcgaagggc tgaagcatct gatcagtgac atggttgata cagcatcccc ctcggcacag 660
atagttggag tgttgctcgt cgaggatgct cacctgctgg taacgtcctc ctccactcgc 720
actcaggaga tctttaatgc tctcttcgag gcgatggagc gtacgaccgg acgtgtcatc 780
gttgtcctca gcggccatcc tccgcatatg gagggtcttg ttcggtctca cccccgactt 840
gaaagaacaa tctgttgtac tctgcacttc gccgacttta cttctaatga ctatctcacg 900
atgttggctc agtcgctacg ggagcgttac aacggcaagc tcgaggtggc cggtggcctt 960
gacggtccct tcatgcagat ggccgctcgg cgacttgccc gtgcggctgc cggaaacggc 1020
ccgagaaatg tgcacgcagt gcaacgtctt ctggacacca tcactcttcg ccaactccaa 1080
tcgcatatga cccaagagga ggacaacctg gaagaggtcg atacattttt cttctcgccg 1140
gaagatatag tcggcctccg gccggccgat gttctggcca aaagtcgcgc ttgggcagac 1200
ttgcagaagc ttgttggaca ggaagcggtc aaggcatcag tcagtgaact gctggacacg 1260
attgaggaga acttttggag ggaagcccga aatcagagac cgttctccgt tcgagtcaac 1320
cggattttcg ttggaccacc agggactggc aagtccacgg tggcgaggct gtatgggcac 1380
gtgttggcag atgtgggtct gctgagcagc ggcaaaggtg agttgtcaat atttgaaact 1440
gaaaccgcag cactaacaac agcagtggtt gagatgcgtg tctcgcagag acctgacgtc 1500
taa 1503

<210> 18430
<211> 1428
<212> DNA
<213> A.fumigatus

<400> 18430
gacctcctgg attcctccat cggcaaggtg cttttggtcg acgtgtcaga ccttgatgag 60
tcgtctcaga tttggctgaa aactctcatc tctcaactgt cgctcattcc tcgccatgat 120
cgctgtgtaa tcctggttgg aaccaacagc agcattgagg cgttggttca ggaaaaggac 180
ctgttgaagc ttttcagaca gcatcacatc gttcagttcc attctttcac caaagcacag 240
ctgcgtcaaa tccttgaaat gaagctgcac gacgacgaag ttcatgttac ttctgaggcg 300
ctggataatg ctgttaaact tctcgaagtc gctcgcatgc gcaaggactt caacaatggc 360
agagcaattg ctcacctgct cgggtcagct cactctgcgt acgaacgcag tcggtcacag 420
ggtgaaggta cccagtcaca actcgcccgg attctcgtgc ctgaaaattt cgaagatgat 480
ctttcgagtt gccgatcaaa gttggatttc cgcgaggagt tgaaatacac cctcgtctcg 540
gacgacctca ttactttgct ggaacgctac cggcacgacc tcaaagcggc gtggttgctg 600
aatactgacc ccactcggcg ggttcccctt gcgatggtct tcaaaggcgc catcggaatt 660
ggcaggagaa tcttcgcacg gctgatcggc cgcctatact atgacatggg tgtgctggac 720
tctggcaaat ttatggaatg ctctgccacc gatctagctc tgaatgcttg caacccatcg 780
actccaacac gctcgctgct ggaacgggca cgcgggggtg ttttgttcat cgaagatgct 840
catcggctca gtgagatcga atccgctgct cggactatca acgatttggt ctacctcatg 900
cccaagtact ctcgcgacac tgtggtgatt ctcgcaggct ctggccctga aatggacctg 960
ttgttgtgca accagccccg cctttccagc cttttccagg aagaggtcgt cttcaagagt 1020
cctacacctc gagagtgcct ccgtctgctt gaccagcgcc tccaacagga aaagatccct 1080
ggctcgaggc ctttcctcac tgacactcgg accgaaacat accgcgagtt cacacgcgcc 1140

atgcaaacgc tctcgttgtt cccttgctgg agcaatgccc gtgatattga cgtcctggcc 1200
atgtggatgg tgtcgtctgt tttgcgcgca gtcccgctgg acggcgactc gctatgtgct 1260
cctcagttga cagaggagca agccatggca tgcgtgatca agatgtataa tctgaagcgc 1320
gatcgccttc gtttcaacca ggaccctaag gtgaaatcgc tgccacgcaa cctttcgcag 1380
ccgaggtcct ccccttccat tcggagcgcc gtcaggtttc ccgtctag 1428

<210> 18431
<211> 339
<212> DNA
<213> A.fumigatus

<400> 18431
cccgagcagg tgagcaattg ctctgccatt gttgaagtcc ttgcgcatgc gagcgacttc 60
gagaagttta acagcattat ccagcgcctc agaagtaaca tgaacttcgt cgtcgtgcag 120
cttcatttca aggatttgac gcagctgtgc tttggtgaaa gaatggaact gaacgatgtg 180
atgctgtctg aaaagcttca acaggtcctt ttcctgaacc aacgcctcaa tgctgctgtt 240
ggttccaacc aggattacac agcgatcatg gcgaggaatg agcgacagtt gagagatgag 300
agttttcagc caaatctgag acgactcatc aaggtctga 339

<210> 18432
<211> 627
<212> DNA
<213> A.fumigatus

<400> 18432
atttaccatg gcgaccggtt ccaccttatg cctatcatca cccctgcgta tccatcgatg 60
tgtgcgacgc acaacatctc aatgtccaca aaagcggtta tccttcgcga gctccaacgg 120
ggaggtgata ttgtagacaa aattttcctg aagcaattaa cttggaatga tctctttgcg 180
cggcactcat tcttcacgca ggattacaaa tactacctta gcatcactgc ctcaagcaga 240
actaaggaag cggaagcggt gtggtctggt cttgtcgaat ccaaaatcag acaccttgtc 300
ggagcgttgg atcgcaagcc taccatcgca gtggctcacc catttccaaa aggctttgag 360
agagtgcata tcgtctccaa cgaagaggaa gcagaggccg taaagaacgg ttctaccaag 420
tatcaagata aaggtacgaa gacggagacc acagatgaaa ggaaagatgc tgcacaccaa 480
gccgcagctc tcagcggagt tgagaacgcc gaggttgagc ctgtcggtga gaagagcgta 540
aatggtgata gccatatcat ttacacgacg acgtattata tcggcttgga gttgaagcca 600
ttggagccag gtatgtatgg cgcctga 627

<210> 18433
<211> 210
<212> DNA
<213> A.fumigatus

<400> 18433
ttttggtcaa ctccagctgg atacaagatg tcaacaccac cagttcgtca gtggggagtt 60
actcctccta tctcgacagc gctcccgact cccgaagaac tcgctgccaa cgatgatttg 120
atctcggagc tcaaggccca gaacaacttc gaaagtcccg cggagacaga gcggaggtgg 180
gatcaacctg gctacatctc tctttgttga 210

<210> 18434
<211> 192
<212> DNA
<213> A.fumigatus

<400> 18434
tgttttgcgc tgacaccatg tctattatcg ggtagaaaac aagttctcca gctccttcaa 60
cgcgtaaccc atgagtttgt caaggttgtc agtcgaaaga aggggctgtc ccctgcagca 120

gtcgaggcag caggtggaaa gattttcact tatggaagtt atcgcctggg tgtctatggt 180
cctggtcagt ag 192

<210> 18435
<211> 465
<212> DNA
<213> A.fumigatus

<400> 18435
cacaatcgtc gtgatattga caacgcgata ggctcggata ttgatacact tgtggtcggc 60
cccaaacatg tcctcattga cgatttcttc tcagactttc ccccggttct ggagaagatg 120
gctcctcccg gggcgatcga aaagatgaca ccagttcccg acgccttcgt cccgatcatc 180
aagctggagt tgtccggtat cagtattgat ctcatctttg cccgtttgat tgtgtcatcg 240
gtccctctta atctcgactt gaagaataat gattacctca gggggcttga cgagaaggag 300
gtgcggtcac tgaacgggac tcgtgtcaca gacgagattc tggaactcgt cccccagcaa 360
aagacgtttc gtcttgctct acgcgcaatc aagctctggg ctcagcgtaa ggacatccca 420
tctgtgtctc tctctcctct catcatctct cggcaaccat gctga 465

<210> 18436
<211> 417
<212> DNA
<213> A.fumigatus

<400> 18436
caccgactta caggccgggc tatttactcc aatattgtag gtttcccagg tggtgtcgct 60
tgggccatgc ttgtagcacg agtctgtcag ttatacccgc acgccaccgg gtctgtgatc 120
gtcggcaagt tcttccgcat tatgaacaag tgggcgtggc cccagcctgt cttgctaaag 180
ccaatcgagg acggacctct acagatgaag gtctggaatc ccaaggtaag ggcatcgaag 240
gcgctgcact gcattcttcg cgatattgat atcaatgata gatttaccat ggcgaccggt 300
tccaccttat gcctatcatc acccctgcgt atccatcgat gtgtgcgacg cacaacatct 360
caatgtccac aaaagcggtt atccttcgcg agctccaacg gggaggtgat attgtag 417

<210> 18437
<211> 513
<212> DNA
<213> A.fumigatus

<400> 18437
tctactagcg cggaggctgg cactcacgta gtgaagacgg acgaggacaa agtcctgaat 60
ccgaaaaagt atttcatcat catacctgcg ctctttggaa acggccagtc ctcatctcca 120
tccaaccagc ccaatgctgg cccatttccg aaatgctctt tctacgacaa tgttcgcgcc 180
cagcacaagc ttgtcacaga gcactttgga atccggcatc tacgtgcagt gatcggctgg 240
tcaatgggag gagcacaaac ctatcaatgg gcgactcagt accccgagtt catggatgtg 300
gcaattcctt tttgcggatc cgcaaaaaca tcgctgcata accaggtatt tttggagggc 360
gtaaagagcg ctttgcttgc agcgaagcac gtcccatcag cgggttcggg gaagattggc 420
gatctaaagg ccgatcagac tctggggaca tggagtgctg aggacagaga gattgggttg 480
agagcttttg ctagagtgta tgctggctgg taa 513

<210> 18438
<211> 888
<212> DNA
<213> A.fumigatus

<400> 18438
aaacgtgttg gaagcagcca ggtccacgtc tcagaccgtc gacatcgtcc tccgaggaga 60
cagtacattg cgaggccact tccccctaga agcagacgtc gcgcagtccg tgttcggccc 120

tgcagatgca tgggtgctgg ccccttctt ctttcagggc ggacggttca ccatcaacga 180
tgtacactat gtagccgagg gggagaatct ggtcccagcg ggcttgacac agttcgccaa 240
agacgcgacc tttgggtaca aaagctcgaa tctgagggac tatgtcatgg agaaagcgcc 300
tgggcggttc gcccccgagc aactgcactc gatcacaatc gaggatatcc gaaccggcgg 360
gcccgatggc gtatacagga aactcataag tttccccaag ggaggcgtcg tcatcgtcaa 420
cgccgcagcg gagtcagaca tgcatgtttt cgtcgccggt ttgctactgg gtacgtccga 480
acgctttctg tcgttgatcc aatactgagt aagaacagcc gaaagcaaag gaaaacactt 540
cctctaccgc actggcgcag ccttcgtctc ctcccggcta ggaatccgct ccatcccacc 600
catcacagcc cgacaactgg ctctcccctc ccctcgggaa acaggcggtc tcatcctcgc 660
cggctcctac gtccccaaga caaccgccca gctcaaagtc ctaaccgaca cccgcggcgc 720
aaccggcacc ctcgccatca tcgaaatgga cgtcgcggat ctgatcgcct cccccgaacg 780
cgcggagcgc gtgatccgcc gcgttgttca gcaggcagaa acgcacctgc agtccggcaa 840
ggatacgctg gtcatgacga gtcggaagct ggtgacgggg cgggatga 888

<210> 18439
<211> 849
<212> DNA
<213> A.fumigatus

<400> 18439
aaatatctct ttttgtatac taagtcaaca tgtcatcccc aaaagaaata tcccgcactg 60
cctcgcgaaa gtaccttggc acagcttccg ccggaatatc ccgcagacgc ccaggaacag 120
atcgtacagc tcctctcgac atcttcattg aatcgtttgg ttgtgctgga cgatgaccct 180
acaggcaccc agacctgtca cgatatccct gtactcgccg tctgggacgt cccgacgctg 240
attaaggaat tccagcaaga ttccccgggg ttcttcattc tcaccaactc gcgcgctctt 300
cccccacttg acgcggagaa gctcatccgc ggcatatgtg aaaacgtgtt ggaagcagcc 360
aggtccacgt ctcagaccgt cgacatcgtc ctccgaggag acagtacatt gcgaggccac 420
ttccccctag aagcagacgt cgcgcagtcc gtgttcggcc ctgcagatgc atgggtgctg 480
gccccttct tctttcaggg cggacggttc accatcaacg atgtacacta tgtagccgag 540
ggggagaatc tggtcccagc gggcttgaca cagttcgcca aagacgcgac ctttgggtac 600
aaaagctcga atctgaggga ctatgtcatg gagaaagcgc ctgggcggtt cgccccccgag 660
caactgcact cgatcacaat cgaggatatc cgaaccggcg ggcccgatgg cgtatacagg 720
aaactcataa gtttccccaa gggaggcgtc gtcatcgtca acgccgcagc ggagtcagac 780
atgcatgttt tcgtcgccgg tttgctactg ggtacgtccg aacgctttct gtcgttgatc 840
caatactga 849

<210> 18440
<211> 516
<212> DNA
<213> A.fumigatus

<400> 18440
gtaagaacag ccgaaagcaa aggaaaacac ttcctctacc gcactggcgc agccttcgtc 60
tcctcccggc taggaatccg ctccatccca cccatcacag cccgacaact ggctctcccc 120
tcccctcggg aaacaggcgg tctcatcctc gccggctcct acgtccccaa gacaaccgcc 180
cagctcaaag tcctaaccga cacccgcggc gcaaccggca ccctcgccat catcgaaatg 240
gacgtcgcgg atctgatcgc ctccccccgaa cgcgcggagc gcgtgatccg ccgcgttgtt 300
cagcaggcag aaacgcacct gcagtccggc aaggatacgc tggtcatgac gagtcggaag 360
ctggtgacgg ggcgggatga gctcgactcg ctggctattg gggctagagt cgcagaggcg 420
ctggttaagg ttctgcagca gatccaggtg cgaccgagat atatcattgc aaaggtaggc 480
aatcgtgcat tgcgaagtga gaatccttcc cgctga 516

<210> 18441
<211> 273
<212> DNA
<213> A.fumigatus

<400> 18441
cgcagcgatc aacggcattc ttcagatcat cgtaccttgc ggacatcaac cggggcaaag 60
ccgatgactt tggctcctgg tgaagcggtg gcaatgtcac tggccgcctt ttccgtcttc 120
tcaacgtttc ggccgacgat gcaggcgtcc gcgcctagat ggacgagagc gcgaacctgc 180
gcactgcaga tggtgcctgc gccacctgtg cagaagacga ctttgtttgc tgaaggtcat 240
attagcggat tagttgctat gagtccattt tga 273

<210> 18442
<211> 555
<212> DNA
<213> A.fumigatus

<400> 18442
tcgtgcagac cgctgcggat cgcaagagct gcttcaacag cggtggagcg ggctgtttcg 60
ctcaaccaca agagtactgt cgtatgtgtc tcggactctg cctgtcaatc tacaaaatac 120
ttaactttct gttactgcgc agaaatcctt gctacactgc taaacaacgg cacctcaccc 180
atcaccggca agcgaatcct cgagacaacc acagtcgacg agatgttccg caatcagatc 240
cccaacctcc ccaattttgc cgcacaaggc atccctcctt cgaagcctga cctcaccaat 300
gaaatagctc atctgtaccc atcgccgaca cctcaggggt ggggcctcac ctttatgctg 360
acgggagggt ccactggacg gtctgaaggg acggcgcact gggcaggact tgcgaacctc 420
tggtggtggt gcgataggga gaaaggggtc gcagggatga tttgtactca actcttgccc 480
tttgctgatc cccaagtttg gagcctttgg ctggatgtgg agtctgccgt ctaccgtggc 540
ctggctcagg attag 555

<210> 18443
<211> 519
<212> DNA
<213> A.fumigatus

<400> 18443
gagactgaca gaacctcgca gggcctatct tactccgctt ccgcagtcac catcccttcc 60
ttgagccttc tccccacctc ggccaacgcc ctccgatctc tcaacgaagt caagcgcctt 120
aatcgcaaac atggtttacg actgacaaac atcgccaacg cctgcctcat ctttgcatac 180
tccgtctccc ccaagcaccg taaacacccc tacctgatct ggatgtgtgt tgcgtccatt 240
gtcggctcat acggaatgga cttttggttc caccgggaac tcggtctcaa ggcctgggct 300
cggagtctca tccgggactc gggatgcatg tccttctctc gtggaaactc caccaagaag 360
gacgaggatc ttgttgttgt cgaggccgag gagtcggtta atggcgagag tgtccgggag 420
gagatggctc gcgagagacg gctgcagtgt gctagagcgg tgtgctcggg gcttgcgctt 480
gcaatgggta ttgtcggact ttggggcgat aggaagtga 519

<210> 18444
<211> 219
<212> DNA
<213> A.fumigatus

<400> 18444
cagccagttc tgacagggaa catagctggg tttggctata cgtttttcaa tgagaagctg 60
cgagactaca gcaagccggt tggttacgac gaattctcag gacacatcta cgacatgctg 120
cagccgttgg ttcatcagcc tggggaaaag tgggaatatg gggtgcgttc gtcagctagc 180
aacgctattt tctatgatca tttgctcatt gtggtttaa 219

<210> 18445
<211> 417
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (42)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18445
gggcgcgttt tcgcatggga aatggccaag ttgggagtcc gntggaacac cttgagcgag 60
cccgtctttg gaccccaggc ctgcgtgact tgcacccctg acgcgccagt gccgataacc 120
gcgcagcgct ttcttcggac atcgatggtg tgctcgcccg gccaaaagga ggagtggtgg 180
acaatgccct ggaatgtatc cattcccggc cactcgggga tgtaccgctt tgcagagaac 240
ccggcggcga taatgaggta cttggacgac gccgttctcc catcggccgt tttgacctgc 300
cagcggcctt cgtctgtgtc aaagcgggcc tccaccacca cgctgttgaa ggcgcagtcc 360
ttctttacct ggagcacctg gtcgacgtgg tcaaagtatc gcctcagctc ctcgtag 417

<210> 18446
<211> 459
<212> DNA
<213> A.fumigatus

<400> 18446
tttgacccca tcaccgggtt tctacgtctc acaatgactt ctctctctcc acaagcggta 60
actgccctca aagcgcgggt agacgcagcc tgcgcggacc agcacaaggg tatccccggt 120
gcggtagtgg tagttgtcgg caaggatggc aaggagcatt ttgcgcatgc gagtgggaag 180
cgcgggtacg gctctgaaga agcaatgacg ctggacagcg tcttctggat tgcatcgtgc 240
acgaagacga ttacgggaat tgcgtgtctg cagcttgttg aacgggggcg attgagcctg 300
gacgattcgg accaagttga gacgatatgc cccgagctga aagaggtgaa ggtgttgcag 360
gacgatggga ctttggtaga gaagcggagg ggaattacct tgaggatgtt gttgaaccat 420
accggtgagt ggacgtcgcc tcgtgacagc cagttctga 459

<210> 18447
<211> 696
<212> DNA
<213> A.fumigatus

<400> 18447
ctgggtttgg ctatacgttt ttcaatgaga agctgcgaga ctacagcaag ccggttggtt 60
acgacgaatt ctcaggacac atctacgaca tgctgcagcc gttggttcat cagcctgggg 120
aaaagtggga atatggggtg cgttcgtcag ctagcaacgc tattttctat gatcatttgc 180
tcattgtggt ttaaggtaaa catcgactgg gcaggggtca tggtcgagcg tgtcaccggg 240
cagtcattga acgagtactt ccaccgcaac atcttcgagc ccctggggct gaataacatc 300
tcgatgtttc cgtcggcgtc aatgaaggag aagttggcat acatgaatca aagagacgcg 360
catggccacc tctccagccg agaccacctg cttcggcggc cgctgatcgt gcagaccgct 420
gcggatcgca agagctgctt caacagcggt ggagcgggct gtttcgctca accacaagag 480
tactgtcgta tgtgtctcgg actctgcctg tcaatctaca aaatacttaa ctttctgtta 540
ctgcgcagaa atccttgcta cactgctaaa caacggcacc tcacccatca ccggcaagcg 600
aatcctcgag acaaccacag tcgacgagat gttccgcaat cagatcccca acctccccaa 660
ttttgccgca caaggcatcc ctccttcgaa gcctga 696

<210> 18448
<211> 1320
<212> DNA
<213> A.fumigatus

<220>
<221> unsure

<222> (323)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18448
agaaggactg cgccttcaac agcgtggtgg tggaggcccg ctttgacaca gacgaaggcc 60
gctggcaggt caaaacggcc gatgggagaa cggcgtcgtc caagtacctc attatcgccg 120
ccgggttctc tgcaaagcgg tacatccccg agtggccggg aatggataca ttccagggca 180
ttgtccacca ctcctccttt tggccgggcg agcacaccat cgatgtccga agaaagcgct 240
gcgcggttat cggcactggc gcgtcagggg tgcaagtcac gcaggcctgg ggtccaaaga 300
cgggctcgct caaggtgttc cancggactc ccaacttggc catttcccat gcgaaaacgc 360
gcccttagcg ccgaggctca gcaagaagcc aaagcgctct atcccgaact gttctcgttc 420
cgtgagaagg ccttcgcggc attcctgtac acattcagtg aaaagagtct ctgggaagac 480
aacgaagaag aacgggaagc tttcttggag aagttatggg ccgaaggggg cttccgcttc 540
tgggtcgcca attaccgcga ctacctcttc gacgccgaag ccaaccgcat cgtgtacgac 600
ttctggtgca gaaaggtccg ccagcgcatc ggcgacccaa aggcccggga gctgcttgcg 660
ccgcgcgagc caccgcacta cttcggcgtc aagcgtcctt gtctcgaaga aacctacttc 720
gagcagttca accggaagaa tgtcgaggtc gtggatatca agaataaccc cgtcgtggcg 780
ttcaccgaga ccgggatcca gctcgaagac ggcaccgtac acgaggtcga cgtcgtctgc 840
gtcgcgaccg ggctcgacat taccactggc ggaatgacca atatggggtt gaccagcatc 900
catggcacga cgctcaagga cgagtggaag gacggcgcgt acacgtatct tggtttgacg 960
gtcagcggat acctcaatat gtttcatctg tatggaccac agggacctac gctgctgagc 1020
aacggaccga catccgtaga ggtccagggc cgctggattg cagacgcgat caagcagatt 1080
gagcgccagg ggatcaagta tattgaccct ctcccggaat cagctcgcgc ttggaagaaa 1140
cggatcaatg agctttcgga cctcaccctc tttcctacca ccagatccac gtacatgggt 1200
gggaccatac ccgggaaagt ctttgagcag ggaaattata ccggtggtat accccagtat 1260
ttggcggaga ttcgcgctgc tctcccgaag ttcgatgggt tcactactgt caaatattaa 1320

<210> 18449
<211> 831
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (277)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18449
cacagacgaa ggccgctggc aggtcaaaac ggccgatggg agaacggcgt cgtccaagta 60
cctcattatc gccgccgggt tctctgcaaa gcggtacatc cccgagtggc cgggaatgga 120
tacattccag ggcattgtcc accactcctc cttttggccg ggcgagcaca ccatcgatgt 180
ccgaagaaag cgctgcgcgg ttatcggcac tggcgcgtca ggggtgcaag tcacgcaggc 240
ctggggtcca aagacgggct cgctcaaggt gttccancgg actcccaact tggccatttc 300
ccatgcgaaa acgcgccctt agcgccgagg ctcagcaaga agccaaagcg ctctatcccg 360
aactgttctc gttccgtgag aaggccttcg cggcattcct gtacacattc agtgaaaaga 420
gtctctggga agacaacgaa gaagaacggg aagctttctt ggagaagtta tgggccgaag 480
ggggcttccg cttctgggtc gccaattacc gcgactacct cttcgacgcc gaagccaacc 540
gcatcgtgta cgacttctgg tgcagaaagg tccgccagcg catcggcgac ccaaaggccc 600
gggagctgct tgcgccgcgc gagccaccgc actacttcgg cgtcaagcgt ccttgtctcg 660
aagaaaccta cttcgagcag ttcaaccgga agaatgtcga ggtcgtggat atcaagaata 720
accccgtcgt ggcgttcacc gagaccggga tccagctcga agacggcacc gtacacgagg 780
tcgacgtcgt ctgcgtcgcg accgggctcg acattaccac tggcggaatg a 831

<210> 18450
<211> 210
<212> DNA

<213> A.fumigatus

<400> 18450
ccttcagcaa acaaagtcgt cttctgcaca ggtggcgcag gcaccatctg cagtgcgcag 60
gttcgcgctc tcgtccatct aggcgcggac gcctgcatcg tcggccgaaa cgttgagaag 120
acggaaaagg cggccagtga cattgccacc gcttcaccag gagccaaagt catcggcttt 180
gccccggttg atgtccgcaa ggtacgatga 210

<210> 18451
<211> 318
<212> DNA
<213> A.fumigatus

<400> 18451
ctcggagtcc cgtatgttat ctacttgccg gtttgggtcg catctgactg tttcatagtg 60
cgcccctcgc cactcggcac cggcggacgc atcatcttcg tcagcgctac gatccactac 120
cgcgcaatgc ccttccaagc gcatgtggct gtcgccaaag ccggcatcga cgccctgtct 180
cacaccgtgt ccatcgagta tggtccactc ggggtgactt cgaatatcat tgctcctggg 240
ccaatcgctt ccacagaggt acacttccct ccgtctgtct tcaccacggg gctgcaagga 300
gccgctgcat ggcgatct 318

<210> 18452
<211> 732
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (687)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18452
cgcaatccca acatgcatat caggaaggaa cttagcgaat atgcctccct tcgaggcacg 60
actggaccct acgctgataa cctcagcgtc gatgtcgtca tcgtgggagc cggcttcggc 120
ggcatctact gcctttacga gatgcgtaag ctgggtctca aggccgtcat atacgaagcg 180
ggcgatgatg tcggcggcac ctggcgctgg aactgttatc caggagccgc ggtggactcg 240
gaaatcccag agtaccggta ctctattccc gagacctgga aggattggac ctggtcgaca 300
aactacccca actacgagga gctgaggcga tactttgacc acgtcgacca ggtgctccag 360
gtaaagaagg actgcgcctt caacagcgtg gtggtggagg cccgctttga cacagacgaa 420
ggccgctggc aggtcaaaac ggccgatggg agaacggcgt cgtccaagta cctcattatc 480
gccgccgggt tctctgcaaa gcggtacatc cccgagtggc cgggaatgga tacattccag 540
ggcattgtcc accactcctc cttttggccg ggcgagcaca ccatcgatgt ccgaagaaag 600
cgctgcgcgg ttatcggcac tggcgcgtca ggggtgcaag tcacgcaggc ctggggtcca 660
aagacgggct cgctcaaggt gttccancgg actcccaact tggccatttc ccatgcgaaa 720
acgcgccctt ag 732

<210> 18453
<211> 228
<212> DNA
<213> A.fumigatus

<400> 18453
cagacagttc ataacagcgc cggtgcggca ggcaacttcc tggcttcaat ccagcagcta 60
tcggtcaatg ctttcaagtc ggtgattgat atcgatgtgc tgggatcgta caataccctc 120
aaagcgacga ttcctcacct cgtcgaatct gcgaagaagc acagggttga ctcggagtcc 180
cgtatgttat ctacttgccg gtttgggtcg catctgactg tttcatag 228

<210> 18454
<211> 396
<212> DNA
<213> A.fumigatus

<400> 18454
cgttcttctt cgcggggcgg agattctctg caatgtctag taagtaagct gcgtatacga 60
attactcttc atttgctggt gctgatttcg tggagtcccg ttgctggtgc ccaggagaaa 120
attgcgactc tacgttatcg tcacgagctg attagtggtt ctattgctca attagaagac 180
cgagtagcga ggaacactgc agaattggag cagatgagcc agtcctacgg ggaggagtac 240
ggcgactatg acaatcctac caccgccacc ctggaagtca cagacgccga tattgagcga 300
gaaatggagg agatcagaga gctcgaaagg cggaaacgag ctctagaagc gcgagtaagc 360
ggtatggaaa gggatttggg tggcttgata ggctga 396

<210> 18455
<211> 2091
<212> DNA
<213> A.fumigatus

<400> 18455
agaaagatgc cggctgagag acgttcgttg cgatcgaaca gcaagtcaga tacttcttca 60
tctgctaacg gtgaaaaagc gcgttccaac tcgcagagct caagttccaa caaggacaag 120
gccgcgccaa accgtgccgc tgccaacaag gccaaatctc ccacaccggc ggcttcgtcc 180
aataacgtat ctaactccgg tatgggcgag cagcgtgatc agccgcatac caacggcgtg 240
aacggttctg aagatattga gatgggagag gatacggcag gtgggcctac atcctcattc 300
aacacccgta aggatcggaa aggtgacgag aagatgactg ttgtagtgcc cccgtccaag 360
ggttcgaggt tatccggaga gaaagggcag gaccgggagg aagatgttgt catggaggcc 420
gcagagactg attcccaaaa gcccgagtcg gaggttgatc ccagagtcaa ggccattcaa 480
ggttcgtttc tttttcccgc tgctgtcttg atggatgcat gcctaaccat caccgttatc 540
acttgggcta tagatatcaa gaccaacttc acacttctcg agcgagctgt agcccacttc 600
gaccccagat ttacactgcg cgttctcagg tcgatatcct caatgcgcaa gcacatcact 660
gccgatgtgc tggcagaagt aatcgttgag acctatccac cctcaagtgc tactgctttt 720
ttcttactgg aagctattga tcaatctggc gcatacgaga gcgccattgc tagttcgaag 780
atggaggtcg attctgacaa gaacaagtct gctcccaaag aaatactgcc agaggttgat 840
acctatctat ccatcctcgt tcagatctac ctctacgaca agaaggatat tcaagggggc 900
gcaaagttct cgacagcgtt gactgagcgt ctgcggactc ttaatcgtcg cacgctagac 960
tctcttgctg ctcgcgtata cttttactac tccctcttct tcgagcaggt tgctcctcat 1020
cctccatctc ctgctgcggc ggttacctcc atccgccagc ccttgcttgc tgcccttcgg 1080
acagccgttc tccggaaaga tgtcgatact caggccaccg tgatgaccct tcttctgcga 1140
aattacttgt ctacatccca catcccgcag gcagacttgc tcatctctca caaccgcttt 1200
ccgccttctg catcaaacaa ccagattgct cggtacctgt attatctggg ccggattcgt 1260
gcgattcagc tgcaatatac ggatgcccac gggcacctga ttggtgccac tcgcaagtct 1320
ccttcgagtc acagtgctcg tggtttctac caggcttctc acaagctgct cgtagttgtt 1380
gagcttttga tgggcgatat ccccgatcgt gcaatcttcc gccagcctgc acttgagcgc 1440
gctttgcacc cttacttctt gctcgtccaa gcggtgagcg ttggagattt ggatggcttc 1500
ttgaacattg taaatacgca cagtgcaacg ttccggaaag atggtaccta caccctgatc 1560
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cgcatctcgc ttcgggacat ttgcctgcgt ttgggcctgg acagtgagga gtcggcagaa 1680
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<212> DNA
<213> A.fumigatus

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<210> 18457
<211> 2184
<212> DNA
<213> A.fumigatus

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<210> 18458
<211> 1812
<212> DNA
<213> A.fumigatus

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<211> 408
<212> DNA
<213> A.fumigatus

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cacctgacga accttacatc tttaccgtcc gccacgtcgc caaattcaag aactccgatg 240
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<210> 18460
<211> 600
<212> DNA
<213> A.fumigatus

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agcaggggtc tcgcgaagag cccaggcgac gtcactccac catcccaagc caataaaccc 180
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atgatgcagc actgcctgag caacagcgac cccgtcataa gaactagttc cacggccaag 540
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<210> 18461
<211> 225
<212> DNA
<213> A.fumigatus

<400> 18461
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tttagaggcg cgattgtttc gtctgttggg cccgaatatc acatcatcgt cgtcttcacc 180
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<210> 18462
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<212> DNA
<213> A.fumigatus

<400> 18462
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<210> 18463
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<212> DNA
<213> A.fumigatus

<400> 18463
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<210> 18464
<211> 2634
<212> DNA
<213> A.fumigatus

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<210> 18465

<211> 795
<212> DNA
<213> A.fumigatus

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<210> 18466
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<212> DNA
<213> A.fumigatus

<400> 18466
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tag 183

<210> 18467
<211> 225
<212> DNA
<213> A.fumigatus

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gtaaagaaag agctatcgca caattccata gagactgagc tttga 225

<210> 18468
<211> 279
<212> DNA
<213> A.fumigatus

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<210> 18469
<211> 192

<212> DNA
<213> A.fumigatus

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ataccaacgt ga 192

<210> 18470
<211> 1080
<212> DNA
<213> A.fumigatus

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<210> 18471
<211> 402
<212> DNA
<213> A.fumigatus

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<210> 18472
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<212> DNA
<213> A.fumigatus

<400> 18472
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<210> 18473
<211> 450
<212> DNA
<213> A.fumigatus

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acggccgcag agcgcgaacg gggcgaattc atgcgggccc tgaaagagcg tcgctggggg 180
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tacgactggg ccgacgtata tatcttcgca cagcacggtg cgtgcgctcc caacccagca 360
cggaggcaga atcacctagc taacagcgat gataaggaat cgtatactgc aacggcgccg 420
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<210> 18474
<211> 1698
<212> DNA
<213> A.fumigatus

<400> 18474
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<210> 18475
<211> 1572
<212> DNA
<213> A.fumigatus

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<210> 18476
<211> 210
<212> DNA
<213> A.fumigatus

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gtcccgtcgg cagttgtcgg acactcctca ggagaaattg ctgctgcgta cttttgcctc 180
ccaatatatt cattatttca atgtgactga 210

<210> 18477
<211> 372

<212> DNA
<213> A.fumigatus

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<210> 18478
<211> 432
<212> DNA
<213> A.fumigatus

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taccacgcct aa 432

<210> 18479
<211> 540
<212> DNA
<213> A.fumigatus

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<210> 18480
<211> 1554
<212> DNA
<213> A.fumigatus

<400> 18480
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<210> 18481
<211> 444
<212> DNA
<213> A.fumigatus

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<210> 18482
<211> 273
<212> DNA
<213> A.fumigatus

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<210> 18483
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<212> DNA
<213> A.fumigatus

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<210> 18484
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<212> DNA
<213> A.fumigatus

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<210> 18485
<211> 336
<212> DNA
<213> A.fumigatus

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<210> 18486
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<212> DNA
<213> A.fumigatus

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ctaagcgagg acgagaagct gcgtgtgcag atcctggagc caagggaact ggaaaaggaa 2040
ggcgatcagg cgaagatggc gatggagggt aagggcagcg gcagcgtatc actagccaag 2100
aatggcgagg tcaagtggac gttcaagctg cagccgggca aggatatccg attgacactg 2160
gaatatgaag ccagggttcc cccgggcaat gaggtggagg ttgtcagata g 2211

<210> 18487
<211> 336
<212> DNA
<213> A.fumigatus

<400> 18487
acccccttcc agaccatcaa gcgtcagcag cccagcttca tccaggccaa cgctcgccag 60
gtcttcgcca acgtccagtc ccgccgccag tactcctctg aaatcgccga cgccatggtc 120
caggtctccc agaacatggg tatgggctct gccgccatcg gtctcggtgg tgccggtatc 180
ggtatcggtc tcgtcttcgg tgccctcctc ctcggtgtct cccgcaaccc tgctctgcgt 240
ggtcagctct tctcctacgc cattctgggt ttcgctttcg tcgaagccat tggtctgttc 300
gacctgatgg ttgccatgat gtgcaagtac gtctaa 336

<210> 18488
<211> 642
<212> DNA
<213> A.fumigatus

<400> 18488
ctcgataacg tcttcatatg ccgccgaggg ccaagctgtt cccaatcctg caatggctcc 60
cccgggtgcc tttcccccac cgttcggatt ccctggtatg taacatcacc ttcacatgtg 120

aacaattttc ttctctttgt gtcaggaaaa gcacttacca atatccctgg ctcaggtcgc 180
cccggtcagc tcccacctcc tccattcggc attcctcccc ccggagggcc caatggagct 240
ccccccggca tgcccattcg tacgtcctca ccctctatca tcctattttt atttttccgc 300
tctaacactg acactccaac agcaccacct ggcggtagag gcctcccctt tccacctcct 360
ttcccccccag caccaggcgg cgcccctgga ggccttcctc ctccgccccc cggcaacatg 420
ccccctggtc aaggatttcc tcctgtcccg ccacctggcg gattcccgcc taattttcag 480
attcctcctc ccggcgctgg gggattccct cctgtccctc ctcccggcca gcctggtttc 540
agcccgagcc ctgggcccgg tatgtcgggt cccccggcgc caccggggac gggctcctcg 600
agtttgccgg ggcctcctcc gggactaagt gaaaagcgat ga 642

<210> 18489
<211> 321
<212> DNA
<213> A.fumigatus

<400> 18489
ctgtggattc tgtgcacagg tgactactgt gatgtatatc tcacgcacga ctcgatgagc 60
gtgcgtaagg cacacaatgc gggtcggaat cacttgagga acgtggtgga atactatcaa 120
cgtacgcagc ccctaccctt ccgcagccac agtctgtcgc tgacggtgct gacaattggt 180
acagagattg ggcaggaaaa ggcacaatcc gtcattgact cgataacgtc ttcatatgcc 240
gccgagggcc aagctgttcc caatcctgca atggctcccc cgggtgcctt tcccccaccg 300
ttcggattcc ctggtatgta a 321

<210> 18490
<211> 234
<212> DNA
<213> A.fumigatus

<400> 18490
agatctaccg atatgaaagc ccgaataaca tcacaagtaa tacgacacaa tgaccagccc 60
gaactcaatc atcgcttttc acttagtccc ggaggaggcc ccggcaaact cgaggagccc 120
gtccccggtg gcgccggggg acccgacata ccgggcccag ggctcgggct gaaaccaggc 180
tggccgggag gagggacagg agggaatccc ccagcgccgg gaggaggaat ctga 234

<210> 18491
<211> 582
<212> DNA
<213> A.fumigatus

<400> 18491
tcacttctgg caccctacca atggattcgt cgagtgagta aacgattttc ggcctgcatt 60
gagctcgcgc ttatgatgta caggtatgtc gaccgtaaac aagcagagtc cctcaatttg 120
atacattcta caggctcatc tgtaagcatc agagtcgaca acaaaacccg cgtaggctac 180
gcgccccgag gcagaaagtc cgtccgactc gagtccaaga aaggctacga catgggccta 240
ttcatcttcg acattatcca cacaccctac ggctgcggaa cctggcccgc cctgtggctc 300
gctgacacat acaactggcc gctcaacggg gaaatcgacg tcctcgaaac cacaaacaga 360
gctacagaag gcaacgtggt ctccctgcac accgataagg gctgcaccgt caaggaaaga 420
cggaagcagc tgggcaacgc gcagtactcg acgtgcgatg ataagcacgg gaacgcgggc 480
tgtactgttc aagctcgccg ggccacatac gggcaggagc tcaatgaaga tggcggtgct 540
gtatggcttc cgtcctctgc ctttttaggt caaaaatact ga 582

<210> 18492
<211> 1131
<212> DNA
<213> A.fumigatus

<400> 18492
gtcatggtca ttgtcgctct cttcaaagcc gggtgtgaga tcctcgccaa gaatggaagg 60
atgaagagtg acaagttttc tgatttccgg aatggctgga aagtcgtggc acgaggcatt 120
ttgttccgac tgaccctgat tggtttcccc cagatgtgcg tgctgtgtct ctgggagttt 180
acccagcata actcggccgc tgagatggta ctggcggtta tcatgttttt gtcagtgctc 240
ggcgctctgg gttgggctgc tttcaaagta atcctcctag ccaagcgctc ggttgtcatg 300
cacaagaacc cagcatacat cctctattct gatcccacat gcctgaacaa gtggggattt 360
ttgtacgtgc aataccgtgc gactgcctac tactttgtgg tgccggtcct tttgtacctt 420
cttatcaagg ccatgttcat tggccttggg caaccctctc ctgttgtgca gaccgtcgcc 480
ctggtcatca tcgaggccgc catgctcgtt gccgtcagcg ttctgcggcc ttggatggac 540
aaaaagacga acatctacaa cataactatt gccgccatca acttcgtcaa tgccgtcttc 600
ttgctgtttt tctcagaggt cttcaaccaa ccaggaattg ttaccggcgt catgggcgtt 660
gtattcttcg tttataacgc ggttttctcg ctggttctat tgattctggt gcttatcgca 720
tccatctacg ccattgtatc gaaaaacccc gatacccgtt accagcccat gagagacgac 780
cgtggctcgt ttatcaaatc gcagagccaa ttgactacgg aattggacgc cctgggtgcc 840
actgcacgcg gcgatgtcaa ggacacgtcg tacaagtcga gtcccttcga cgacgacaat 900
ggctctttct caagcggcaa tggagccagc attggacgtc agaacctgca agcgtctcat 960
gatacgactc cgcaccgcca agccccagtc tctccagttg atccttcggt acctctattt 1020
cccagcgacg gacgggggcc gcctcattat ggacgttcac catcgccaat tccctaccgc 1080
gcccagcaca atgccagtcc atggcagaga ggggccggat acgatcatta g 1131

<210> 18493
<211> 336
<212> DNA
<213> A.fumigatus

<400> 18493
tcccggagga ggccccggca aactcgagga gcccgtcccc ggtggcgccg ggggacccga 60
cataccgggc ccagggctcg ggctgaaacc aggctggccg ggaggaggga caggagggaa 120
tcccccagcg ccgggaggag gaatctgaaa attaggcggg aatccgccag gtggcgggac 180
aggaggaaat ccttgaccag ggggcatgtt gccgaggggc ggaggaggaa ggcctccagg 240
ggcgccgcct ggtgctgggg ggaaaggagg tggaaagggg aggcctctac cgccaggtgg 300
tgctgttgga gtgtcagtgt tagagcggaa aaataa 336

<210> 18494
<211> 393
<212> DNA
<213> A.fumigatus

<400> 18494
gctacgcgcc ccgaggcaga aagtccgtcc gactcgagtc caagaaaggc tacgacatgg 60
gcctattcat cttcgacatt atccacacac cctacggctg cggaacctgg cccgccctgt 120
ggctcgctga cacatacaac tggccgctca acggggaaat cgacgtcctc gaaaccacaa 180
acagagctac agaaggcaac gtggtctccc tgcacaccga taagggctgc accgtcaagg 240
aaagacggaa gcagctgggc aacgcgcagt actcgacgtg cgatgataag cacgggaacg 300
cgggctgtac tgttcaagct cgccgggcca catacgggca ggagctcaat gaagatggcg 360
gtgctgtatg gcttccgtcc tctgcctttt tag 393

<210> 18495
<211> 369
<212> DNA
<213> A.fumigatus

<400> 18495
gtcaaaaata ctgacccgtt ccagatatac gcggtcgaac tgcgagaagc aggaatccga 60
gtctggggtt tcccgcgcga ctccatccca gatgacatct cgagtatgga gcgcagacct 120

gacccgtcct cttggggtcc agctctggct gacttcccca gcacacactg cgacatcccg 180
tctcacttta gcaaccagag catcattgtc aacattgatc tgtgcggcga gatgggcgcc 240
caacgggagg agtacaatga tttgtacggt tgtccggcaa catgtcagga gtttgtcgct 300
cgtaacgcgc aaaatttatc gcaggcttat tgggagtttc gcagttttcg gatctatcag 360
acgatgtga 369

<210> 18496
<211> 279
<212> DNA
<213> A.fumigatus

<400> 18496
tcctcaccac tatcgtgctc acgtttcatg acgtcttccg aatttaacct agatctgcat 60
gttctagcta agggctatac tattccagaa actcaggaat ggaattggat cttggggacc 120
gcccgtttcg ctcagtggat tctcaccgtc agcgtggaaa acgaccacac accacaccca 180
gtccttctgg ctcggattag agtcctccac aagccggcga gagtagagat gggctctgtg 240
ccatttatca tgtccgcacc ggcagtcagt gccggttaa 279

<210> 18497
<211> 240
<212> DNA
<213> A.fumigatus

<400> 18497
tcatggcata cttggcgcat cgtctgggac cgcacccttt ctacgtggca gtcggagact 60
attacctggt acatggacgg tcagttcttc caccagatca ctggttccca gattggcgac 120
tcgaacgttt gggccacgct ttgtcatgac ccattgtact tcattctcta cgtggccgtt 180
ggcggcacct gggtatgttt agagattctc cttgaattgt gcatccttcc gaacgtgtag 240

<210> 18498
<211> 465
<212> DNA
<213> A.fumigatus

<400> 18498
atcaccgtgg cagaccagtt cttcgtcaag cacctctccc tctctgctga agatgcccac 60
atgctccacc agaaatacta caaggagtac ggtcttgcga ttcagggcct cacacgtcac 120
cacaccattg accctcttga attcaatcgt gaagtcgacg acgccctccc cttggacaat 180
atcctcaagc cagatcccaa attgcgcaag ttactcgagg acattgacaa gtccaaagtg 240
aagctgtggc tgctcacaaa cgcttacatc tcacatgctc aacgtgtcat caagttgttg 300
aaggtggatg atctgttcga gggcatcaca ttctgcgact attcgcggcc accgctcatc 360
tgcaagccat cccaggatat gtatgagaag gcggagattg aagccggggt gccgagcaca 420
gagcagtgct actttgttgg tatgctattt tctttcgccc tttga 465

<210> 18499
<211> 195
<212> DNA
<213> A.fumigatus

<400> 18499
gccctgtccg gcaagctcgt gaggacacaa gtgccactcg gctggcggaa cgtcaaaaca 60
ctataccacc agtatatgga tggcatcaag cctccgaccc tggtatcaga ggagtatcgt 120
cagatgtacc tggagactgt ccaaagtatg tgtaatgagg cggccgttag cgatgaggga 180
gacgagaagt tttga 195

<210> 18500

<211> 186
<212> DNA
<213> A.fumigatus

<400> 18500
tgttacggac ttatcgcata tgccagagaa tccaacctag atttacactt tcctcatctt 60
ttccttatag actcttcaac tctcacagtg atttcattca ccctcggaga acaatggcga 120
ctacggaatg tcccactggg gcagtacctg atcctgactc acggccagtt ttcttctttg 180
acatag 186

<210> 18501
<211> 1029
<212> DNA
<213> A.fumigatus

<400> 18501
ttgctcaacc caccccacca gatagctaaa cgtcaactac tccatccaaa ttattcctcg 60
gcaccaggag tactatctac aacaatgaca ggctcaacct cttacctcga tgcgcttcag 120
cgggatggct tcgtcgtcat ccctcgctc ctcaccgcag aagaagtcga gcacttccgc 180
gccatcgcta cagaagcaac aaccctcgcc cgcaccggcc aatggcctca cttccgcacc 240
gtccccaagc agttcccgcc ctggcccaaa accgcacccc cggcctccga aggcggcatc 300
tggggtgtcc agcacctcct gcacccgcag atgcccaacc gcaccgaatt tgcccggttc 360
tatttctcgg agaaggtgct agcagtcgcg gaggaactac tcggagtaaa aggcacgtca 420
accgaggcta cagagccact ggtgatggag ctattcaatc tgcttgtcgc gccggaaacg 480
aaggacttcg agctccgctg gcaccgcgat gatattcccg agacggtgtc gccggaggag 540
gagatgcggt tgctgcaggc caagagcccg cagggtcggc agtcgcatgc gcagtataat 600
ctggcgctgt gtccggattc ctcgctgatt gtggtccccg ggtcgcatcg gcgggtgcgt 660
acggagacgg agcgcagtgc cgggccgtat gagcctgagt tgccgggtca gttggtggtg 720
gagcttcgac cgggggatgc ggtgttctat gatagtaata ttctccatcg gggagtgtac 780
aaggcgaagt cccaggaggg tgaggaaacg aggctgacgc tgcatgggag cattgggctg 840
aaggtgtcgg cgtcagggtc cgacgcggac gagaaggttc gggctactgc ggtactgcag 900
cacggtgttg gttcgtgggt tcaccatgag gatgctgcgt ttggtattgg cgagcgagca 960
aagaagatga gggcgaactt gatagcgctc gggacaggtg agggcgtcgg atattctcta 1020
cagggctag 1029

<210> 18502
<211> 228
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (150)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18502
cgttccgata taagaacaga ctttttctgg actatttaca atagagccgc agtcattatc 60
atgaccatca caagaccatc atcagctgtt cgccggtcgt cgtccgtaca cgttatggta 120
cacaacgtat acatgtatat cggggcgcan caagtccgcg cgtactttat ccacgtattt 180
ctgcgcatct tcaccactcc agccgagcac gcgagtaaac aacgctaa 228

<210> 18503
<211> 1785
<212> DNA
<213> A.fumigatus

<400> 18503
catagttctg gcagatggaa atctcgtgaa tcagctttgt tcattctcaa ccagttgctg 60
cgagacttca acgaagtctc gcaacagata tctttcgagt tggcgaatgg cttccacaat 120
ttcgttacat tcgctatcca gcaagaagag gaatttctgc gagctcgtgg ttaccttatg 180
gcaggtgttt tggctcaagt tgcgagcgaa gcgttccagc ctaccgccat ctcctacttc 240
gaagcgaccc tcaaggcgat cgctgaagac ccctcggagg tggtcaaggt ttcctgcatt 300
cgggccctgc aggatctcgt ggcttctctt cctgcaagca ctacagtccc acttcaggtt 360
ccagttatca gtgccctgtc ggagttcatt gccgcgcacg acctccagga gccatctgaa 420
agcgacgacc tcaaggtcac gttagcggag acgattcgcg atactatcat ggttaatcca 480
agtgtggtct tgtcatctgt tgccattgat gtcctgttca acatagccag caatggggct 540
acgaatttcc agctgacaat gattgttacc gaggcattcg aggatatcgt acaatctatc 600
tccgaacagg gagctgacgc tttcatccgt ctttgtgaaa aagtactccc ttcgctcatg 660
ggcgcgattg acgtgggaaa cctcactcac gagaatgctc tcacgaactt tgcagctgat 720
ctcttgcgtg cgttgacgga aggagccctc cagcctttgc ctgccggatt tgtagagact 780
gtcatgccca aacttaacag gttgctgtta gactcttacg atgctgagct aattcgccct 840
gccacggaag ctgttcggca cattctttca catgactttg atcagttcgt ggcctggcgc 900
gatccccaga ctggcaagga agcggttgaa gttgcactga taatcattga tcggctgctg 960
ggcccgtcgg tcgacgataa cgccgcaacc gaagtgggac aactggcagc cgagctggtc 1020
gaaagagctg gagccgagag acttggccct tatctgccac agttgctccg cgctgtcgct 1080
cagcgtcttg ccacagctca acaggcacaa tttatccaga gtttgatcct tgtattcgcc 1140
cgactgactc tgataaacgc tcgggaggtg gttgacttcc tggcgcaagt cgatatcaat 1200
ggtcaaagcg gactgccaat tgttctgagc aaatggctcg agaactcggt caacttcgct 1260
ggatacgacg aaattaagca aaacatcatt gctttggcta cactctacaa cctcgaggat 1320
ccccgccttg cccaagtgca agtcaaaggt gacctcatca ttcaggacac gggtcgcatc 1380
aagactcggt cgcagactcg caacaaccca gatcgctaca cgacggtgtc ggctccgttg 1440
aaaattatca aagttctcgt cgaggagctg gccgctgcat ccggcaacaa ggagattgat 1500
gcagctaccg cggccgctct agaggaagag gatagcgacg acgatggtga atgggaagac 1560
attcccagta ataccctgga tctcagcttg ggcattacca agcaggagct gatggccttt 1620
ggcgaaggtg gctctgaagg agtgtttggt gtacgcaagc gggatgacga gactcaggca 1680
ttcttgctgg acttcttcca caatgcgtcc agcaagcccg ggttcgatca actgttcgcc 1740
gccctaactc ccgacgaaca ggagaagctc cgcagcttgg gctga 1785

<210> 18504
<211> 270
<212> DNA
<213> A.fumigatus

<400> 18504
ccgtggaagc ggaactctat ggctgctgag tgctggctgc acaacgtgca agaaggagta 60
ggcacttacg tagcatctgc atgcaagtcc ttttactgtc tttgttctag tttggcttgg 120
cgcaggatta ttatgttttg cattgttagg gagagagatg gagctgcaga cagagatgag 180
ggctacagtg tcgccctgtt gaatggttat agccctagag acgctgatgg aactgtacta 240
ggcacttcgg aaacaaacat atggatatga 270

<210> 18505
<211> 1002
<212> DNA
<213> A.fumigatus

<400> 18505
tacaactctt gtataattac ccctcatccg tcacgatttc ccctcttcaa ctccccaaaa 60
actcacgagc tgaaactaac gactaatcgc cagacgagcg atgaagactc actatgcgac 120
gctcaatcca tcattgactc aaatttcagt ttagcctcca caacccgtga ctacctctat 180
gagaatggcc gccgatacca cgcctaccga ctgggccact acccaatgcc taacgacgag 240
gaagaacaag atcggctagc cttcatgcat catctcttca aactgctcgt aggaggggat 300
ctctaccgcg cgccgatcct caatgacgga cgaccgaaac gcatcctcga cgtaggcacg 360

gggacaggca tctgggcgtt ggagatggcc gatgacttcc ccgacgcaga gatcgtgggg 420
acggatctaa gtcccatcca gcccaactgg gcgccgccca actgtacatt caatgtcgat 480
gacgccgaga gtgattggac gttcacgcca gccgaggcgt tcgactacat ccatgctcgg 540
agtctcggcg ggggcattgg cgattggaac cggttcctgc gccaggcgta caggcatacc 600
aagcctgggg gttgggtcga gatccaggag tatgagacgt ggatccgttc ggatgatggg 660
acgattcagc gcgcgcctat gctgctagac tggcagcaga agattgatga ggcgagtacg 720
cggtttggca ggccgatgaa tgttgcgtcg agcctggcag ggtggatgca ggaagtgggg 780
tttgtgaatg tcacggatga ttcttacaag gtacctctat attctctctc tctctcgatg 840
tggctaagaa gttgcgaacg actggttgta gtgcccagtg ggctcatggc ccaagagtcc 900
ccggttgaaa gaaatcggga gagtgggcaa gatcacactg tacgaggccg tggagccgta 960
tactttagcg ttgtttactc gcgtgctcgg ctggagtggt ga 1002

<210> 18506
<211> 429
<212> DNA
<213> A.fumigatus

<400> 18506
cccgaacctt ctcgtccgcg tcggaccctg acgccgacac cttcagccca atgctcccat 60
gcagcgtcag cctcgtttcc tcaccctcct gggacttcgc cttgtacact ccccgatgga 120
gaatattact atcatagaac accgcatccc ccggtcgaag ctccaccacc aactgacccg 180
gcaactcagg ctcatacggc ccggcactgc gctccgtctc cgtacgcacc cgccgatgcg 240
acccggggac cacaatcagc gaggaatccg gacacagcgc cagattatac tgcgcatgcg 300
actgccgacc ctgcgggctc ttggcctgca gcaaccgcat ctcctcctcc ggcgacaccg 360
tctcgggaat atcatcgcgg tgccagcgga gctcgaagtc cttcgtttcc ggcgcgacaa 420
gcagattga 429

<210> 18507
<211> 609
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222>
(7),(8),(11),(12),(13),(14),(19),(20),(21),(22),(29),(31),(33),(34),(37),(41),(
42),(43)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18507
tggaacnncc nnnnaggann nnatgggang ncnngtngta nnnatatgag cggcactttc 60
cagccccgtg gtgaagacat tgccagcgcc gatttccctg atgaatggcc agagcttctc 120
ccgtcgctgc ttcaggtcat taatgatgtt aatagcagtg ctggtacatt gcacggcgcg 180
ttgaaggttc tgttggacct cgtcgacacc ggtttcagtg aggagcagtt cttcggtgtt 240
gcccgcgacc tggttaccac tcttttcaat attgcgacta atgagtcaag gaagccgatg 300
ctgagggcat tggccgttgc cgtttttcgc tcttgctttg ataccctgga gatggtgctt 360
gagcagcata aggtggcagt caagcagttt atggatgaag tcctgagcgg ctggtcccca 420
ttcttcattg agacattgaa ggctcccttg ccacaggccc ccagtgagca agaggagtcc 480
aaagaggggg aggtcccttc tcaatggagg ggtataattg gactgaaact gcaggtggtc 540
aaggtaggct gtctcaataa cttggagaca tctccaactc gtactaacgg cataattctt 600
cactgttag 609

<210> 18508
<211> 543
<212> DNA
<213> A.fumigatus

<400> 18508
acgcttatga agattcgaat ggtctttccc ggcctcatga cagctcaaag cccggtctac 60
ttctcaactg tctggacaga gctttccaac attcagtctg cttaccacga cttctatatt 120
caagatgaac gacagggccg cttagaagat gtggacggac tcccttacac gctggacttc 180
cttgtgctgg aagagcttga tctgattcaa gcccttctaa aagcaccacc agtcaaagct 240
gaactccagc aacagttgca gaacgctggt caggctgcag caacagccag ttggcttcca 300
gagatcttaa agctcgccag ttcatacgcc cagattacga ctgaagaaga aggcctctgg 360
gacattgatg tgaatctctt tctctcggaa gagacctctg tcactgcgaa ttacacaccc 420
cgaacctgca gtggagactt ggtcatcaaa ttgggagagt ggctcaaggt tacaactgtt 480
gaaggtctcc tcgcctacat gaacaatctt tttgccgact caacatcgac gtatgtattc 540
taa 543

<210> 18509
<211> 321
<212> DNA
<213> A.fumigatus

<400> 18509
aaccccacct acgaagatat gattctcctt tcgtcgcttc ttggacccgc gaagccaccg 60
gttgccaccc aggacgacat cgatctcgct ggaggactat atcgacttgt agagcttgca 120
ggatcgctcg tcgcagaggc tttggatggc gctggcacga tccaaatccc tgatggcgaa 180
cgttgtctga tctgtctcgg tgactacgaa gccgcggaag agctcaggca attgacaaag 240
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<212> DNA
<213> A.fumigatus

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<210> 18511
<211> 195
<212> DNA
<213> A.fumigatus

<400> 18511
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cggctccgta gttga 195

<210> 18512
<211> 567
<212> DNA
<213> A.fumigatus

<400> 18512
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ccgaagaaga gggaggtggt gggttga 567

<210> 18513
<211> 186
<212> DNA
<213> A.fumigatus

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atgccgccaa atgagacatt atttctagaa tcaacgaccc gtatccagaa agattcgatt 180
cagtaa 186

<210> 18514
<211> 732
<212> DNA
<213> A.fumigatus

<400> 18514
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tccgttgcta ggttgaaccg gaccattttg accgttcagc aatactaccc gaacatcaat 240
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gttgacgtct cagagttgta ttcgtgggac catccagacc gcaagcccaa gggagatcag 660
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<210> 18515
<211> 738
<212> DNA
<213> A.fumigatus

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aactggatcg ccgtctggga tgcggcaagt gccgggtaca agactcttaa tatatacagc 720
agatggaaac ctttttag 738

<210> 18516
<211> 273
<212> DNA
<213> A.fumigatus

<400> 18516
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cgtctgaaga tcaacggcag cttggcccgc aaagccctcg ctgatctcga ggagaaggga 180
cagatcaaga aggtcgttgg ccactccaag atgaccattt acagtatgtg cccgcactgc 240
ttgcatttct ataagtgtgg ttgtcgctgt tga 273

<210> 18517
<211> 297
<212> DNA

<213> A.fumigatus

<400> 18517
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ccaggccgac caccttcccc accgcaaagt acttcttgtg gttacggaag aaattctccc 180
agtgagccac ctgcttccgc accttgccca gcgccaccct cctatcctgc tcccgccgaa 240
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<210> 18518
<211> 228
<212> DNA
<213> A.fumigatus

<400> 18518
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cgcgacgtgc aactggtata taatttgaat tcattcagag ctgccgcctc agcattcagg 120
tatattatct acatggtcac actgttggtt gttcttttta tcgcttcact gtactacgtc 180
catctagctc tcaactcatt gagcagacac agcaccttac aggactag 228

<210> 18519
<211> 402
<212> DNA
<213> A.fumigatus

<400> 18519
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ttcggggtcg cgacctccgc caccgcgggc ccagcctacg tctcggagat cgcgcaccct 180
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<210> 18520
<211> 741
<212> DNA
<213> A.fumigatus

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<210> 18521
<211> 681

<212> DNA
<213> A.fumigatus

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agatactgcc cgtcttccgc ttccggcaag aggcctcatt cgctgcgacg gtggtttcag 120
cgcaatcttt ttttccgttc atccgttaca attgacagag tccaggttgc gcattcctta 180
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cccgaccgcc accaccaccg acgacgacga ccggcgcaaa cggaccaaaa cgacgcacgc 420
cgcatcccgc atctgctacg actggatgat cgtcttgggg aactgccact acgcgcgcga 480
ccgcgcctcc ttcacacact accgggcgat gccgcgccgg acgctcgtca agaacaacat 540
cttcaatccg cacgaggagc tggaggtggc tggggtaggg accgtcgagc tacgcgtgtg 600
ccggacagtg cgggacgggg gcgccagctc gcacgtgctc gtgctggagg acgtgctgca 660
tatccccgag gcggtctgta a 681

<210> 18522
<211> 306
<212> DNA
<213> A.fumigatus

<400> 18522
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gaggatatct ccaacacggg ggctgacaag cgctggtggg attaccgcga gctgttcaac 180
tcgcgcgaga cgcgctaccg ctcgatgctg gtgatactca tgggtaaccc tcgtccttcc 240
caatccatgt cattcatgtc attccatgtc aattcatgtc aattcagaca aacggaacga 300
tactga 306

<210> 18523
<211> 726
<212> DNA
<213> A.fumigatus

<400> 18523
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acagatgctg gccggcgccg gcatcacctc caacaccacc cggctcctcc tgcaaggcct 120
gcagaacgtc tgccagttcg tcggcgccat cttcggcgcg ctcctgaccg accggatcgg 180
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ttatga 726

<210> 18524
<211> 249
<212> DNA
<213> A.fumigatus

<400> 18524

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aatggacaaa ctcaacgtat aatacctccc cctgaatcaa ctccgacgct cccttgggat 120
tccccgcaag caccaacctg gtgcccccag catacggcac cgcaaaccaa accggctccc 180
cgcgccgatc cgccctttcc cagtactcca tgttacacga catgctactc ccatacagca 240
acggattga 249

<210> 18525
<211> 720
<212> DNA
<213> A.fumigatus

<400> 18525
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catagggatc catgttctcc gcgagatccc gtggatatca gtacttatgt ccgtgtaccg 120
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ctcttctctc cttccccttc atcctttcct cgggcgaaca atctttcctt cctctccccc 660
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<210> 18526
<211> 192
<212> DNA
<213> A.fumigatus

<400> 18526
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cgcgacgtct ccacaaacaa aaaccagatc accgccagct ccagcacatc ccagaagata 180
aacagcaggt ag 192

<210> 18527
<211> 279
<212> DNA
<213> A.fumigatus

<400> 18527
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<210> 18528
<211> 342
<212> DNA
<213> A.fumigatus

<400> 18528
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cacgacatgc tactcccata cagcaacgga ttgaacccat tacagaccgc ctcggggata 180
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cacacgcgta gctcgacggt ccctacccca gccacctcca gctcctcgtg cggattgaag 300
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<210> 18529
<211> 315
<212> DNA
<213> A.fumigatus

<400> 18529
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actgcaataa agcaatgcat aaaactcaat tgttacatgc caatctcgac actatatctg 180
tctctagacc cctgccaaat tttccagtac agctcaccaa tttctcaaca agtctactct 240
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tatggaatac cctag 315

<210> 18530
<211> 624
<212> DNA
<213> A.fumigatus

<400> 18530
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accgctaaga caatggactg ctatgcggag ttccagtccg cgaatgatgc tgaggagaca 180
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<210> 18531
<211> 582
<212> DNA
<213> A.fumigatus

<400> 18531
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<210> 18532
<211> 717
<212> DNA

<213> A.fumigatus

<400> 18532
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cacaacagca cgaccgccaa gaaggtcgtc agatctaccg ccagaaagag caaatatttt 240
gaagacgagg gaaatgaaga atcagaccct gaatctagtc atgcatccga ggtgggagaa 300
gactcggatc cagcctacga agataaaaac ttatcctacc cgtcaactga atcggactcc 360
gaggaaccgg aggtgctatc tacaggcgaa gagagaacga aaagatcaac aagaaagact 420
gctaacccta gtggaggtcg gaaaatacca gcgagaagag gtggaggaaa tgaggcagaa 480
gaacatccta atgaggacat agcagcttcg ctaaaggata aagaactatg gagagagggt 540
gtcagcactg gcttaggacc tggaaaagag gtcttcatca gaaagcccaa agccagagac 600
cccggagata taccctatca ggaccataca ctgcatccga acaccatgct tttcctgcaa 660
gatttggcga aacataacga cagacagtgg ctcaaaggta ttgacgacag aatatga 717

<210> 18533
<211> 561
<212> DNA
<213> A.fumigatus

<400> 18533
aacagaacgc gatatttcaa ggtgatccag ctgcagataa agagagtcat aacacagagg 60
cgagtcatga gcaatccgga ggtatgcacg attccagagg tctttgaatc tcgaaagcgc 120
aagattctcg cggacttgtc tgtcccagac acagagtata cggatctctc acccaaagga 180
tcggtagatg agggcatccg cgacttgatc cgcgatatca acgctctgcc tggtctggtg 240
accaccagta gctgttctgg acgaattagc gtcttcttgg aggggagaaa aaagcaaaat 300
gaccaccagc aggaccaacg gcagttcgcg ccctctggag gcaaaggcgc agggaagtgg 360
ctatatgtct cgcacgatcc tttgaatggc cgttggacag gtcgtgacaa cgatgatttc 420
aactcgacgc aaggtaaaga ttgtccgaga agcctgcatg aattgtttgg gatggttcct 480
ggaaatggaa agcctccggg gctgaaagga ggtcatgccc cgcgtctggt gcgcttccac 540
tacgatccta tggtaggttg a 561

<210> 18534
<211> 204
<212> DNA
<213> A.fumigatus

<400> 18534
ccagagtcca cggatgatct ccaacccaac tgcggtgtcc tcgtctgtca gtcgtccgcc 60
cagtgtccag tgttcttccg ctctggcgag ggtaacgaga ggatcggcga tgtagacctt 120
gaatcgagta tgcgcggggt caacaaggtc gcagcaaaga aaagcagcat cgattttgct 180
ttgctggaaa tgtgcttcga ttaa 204

<210> 18535
<211> 1245
<212> DNA
<213> A.fumigatus

<400> 18535
ccacacaccg gtatctcaaa gaatgctgct attcatactt tgcagcattt ccacggagtg 60
caaaattgga actatatttc gcgtacgatt tgtctacgtt cgaaacttcc atatgaaccg 120
cgcaattttc ttccaatctc acataccagc tctctctcat cctatcctcc tctgtcctat 180
tgtcatcatc ctcacaacag aatgaagctc catcacttcc ttcttcctgt agcactcaca 240
gctactgcag gcgctcaaac cctcaacatt gttgcccatg aagacgacga tttgctcttc 300
ctcagtccca agcttctcga tgaaattcga tctggacgga gggtccgcac catcttcgtt 360

accgctggag acgcgggcaa tggtgcagac tattggatct ctcggcagga agggtcgaag 420
gcagcgtacg cccaaatgag cggcgacgaa aacgcctgga cacagtcgga cgctggcatc 480
ccaggcttca acatcccgtt gtttacattg aacaacgatc ctaatatctc acttgtcttc 540
cttcagctac cagacggtaa taacggagga gagggctttg gatccggaag cctgcagcaa 600
ctgtggcaag gaaccatacc cgagctgact tcctggggcg gatcctcata ctccagggac 660
gatttggtga atgtgctgag gaatctggcc gatgactttg gatacgacca catcaacacc 720
caggactttg tccatgatta tggagacgga gaccatagcg accaccacac caccgcttat 780
tttgtccatg aagcgttcgc tgattgtgcc agcagcgcat ccatcactgg ttacatgggc 840
tatcctgtcg tgtcgcaacc agctaacgtc gatggagagc ttcttcagga gaagaaggct 900
gtattctaca attatgctag ccacgacagg aacacatgca gtagcgatga ggcctgccga 960
ggacgtgatg aagctctctg gattgaaagg gaatacatcg tcagcgaaat agaccaatcc 1020
ccttgcagga aagctgcgag caaagcccca gcctctacta cgagtaaggc gtcggtctct 1080
actacgagca aggcctcggt ccctactgcg agtaaaggct cggcctctcc tgcgagtaaa 1140
ggctcggcct ctcctgcgat caagggctcg gtctctactg cagtcacccc ttcggcatcc 1200
ccaacccgtc cacataaagt catttcaagg ccactgcaag cataa 1245

<210> 18536
<211> 897
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (79)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18536
ggggaaccta ggttcttttg ccccagttgg tggcccccag tgcttgttca aaaccggtca 60
ccagggagag acgtgtacng atgcacctgg ggcggtaaca tgactgtcga aataagtcag 120
aacttccaga gatcaggatc gaggacgcgc attgcgtttg agccgttccg ataccaggcg 180
agtgtcgccc atgaccggtt caaccgcacc tcggtcaatg cgttcttctc tcagctccaa 240
ttgctcgtca aaagcgtcaa catagaactg catcatttgc ttagcgagca tctgaccctg 300
acggccaaag acgagcgcaa tctgaatgag gagcaactca caaagtacct cacgaacttt 360
caagtgaaga cccagtatgt cgtggcgttg gatctgagaa agaccggaat cgttgccaag 420
gaatacttct ttccggggat caagtgtgca gccacgggtc agactggatc caatgcatgt 480
ttcggagcaa tacgggcagt cgacaaagac ggccacctgg atagtttgtg tcaattaatc 540
gaagcacatt tccagcaaag caaaatcgat gctgcttttc tttgctgcga ccttgttgac 600
cccgcgcata ctcgattcaa ggtctacatc gccgatcctc tcgttaccct cgccagagcg 660
gaagaacact ggacactggg cggacgactg acagacgagg acaccgcagt tgggttggag 720
atcatccgtg gactctggtc agaactcggg attatccaag gtccacttga gccttcggcc 780
atgatggaga aagggctctt gcccattatg ctgaactatg agatgaaggc cggccagcga 840
cttcccaagc ccaagctgta tatgccactc aacagggatt ccccgaaacc aagatag 897

<210> 18537
<211> 1155
<212> DNA
<213> A.fumigatus

<400> 18537
gaggaatcct tatcctcttg ccccccttcct ttcaaaatga tctattcccg cccttgttca 60
agctacacat tcctggtggc tgcagccata ttcgccgttg tgattctttg gagagaatat 120
gcttggaaat ttaaaagtca gctgctcctc aactgcagtg cccctccgac gtcaatcaat 180
gtgactggtt ccgcgattcc aaaccaagtc cattatgtgt acattctacg agatgttgac 240
gcggacttcg ccttccaatt caaacacttt ctctctctct actcggtctt gcaacactgg 300
catcccgaca cgatctatct ccacaccaac gctaatccaa agaccatcga gaatgctcgg 360
gccgggaaga cgggaaagtg gaaccagctg atattcaaca ctcccaacct gcgaataaac 420

catgttgaac cgcccactgt tgcgggaaac ggaaagccca ttgaccagat cgagcacaag 480
tccgactttg ttcgcgtttc taccgtctgc gagttcggcg gcatctacct tgactgggat 540
gcacacccgg ttcgcgatat caaggccttg agggagagcg gcttcaattc aatcactggc 600
cgccaggcta acggtgagat aatgagcgga accttcatgg ccaagaagga tgcgctcttg 660
ctccagatgt ggaaagccga gatgcacaag gtttacgatg gggggtggac aacgcacagc 720
aattcagtcg tgacgcgatt gggccagcgt ctggcgcggt tgccgggggа agtcctaatc 780
atggagcagg atgcatttgg gccggggagc tggaccacgc ctgaaaacat cgtgctctat 840
gggattcaca acgagacggt ctcgaatctg gagaacgcta cagattgcag gtccctgccg 900
tcatacgacg aaggagttac ggatcgatgg gacaggccgc aggactttcc gtcgtgggag 960
cgtgactact cacatacata catattacat gcttttagtc ctgctcggaa tgggaatccg 1020
gtcaaggact tcaaacatat cacgccgaaa tacgtgctgg aacggcagag taatttcgca 1080
cgactgctat atcccgtcac gagggatatg tgtcgcgccg gctttgtgga ggtaaatgat 1140
tcatatgccg gataa 1155

<210> 18538
<211> 579
<212> DNA
<213> A.fumigatus

<400> 18538
aatgacttta tgtggacggg ttggggatgc cgaaggggtg actgcagtag agaccgagcc 60
cttgatcgca ggagaggccg agcctttact cgcaggagag gccgagcctt tactcgcagt 120
agggaccgag gccttgctcg tagtagagac cgacgcctta ctcgtagtag aggctggggc 180
tttgctcgca gctttcctgc aaggggattg gtctatttcg ctgacgatgt attccctttc 240
aatccagaga gcttcatcac gtcctcggca ggcctcatcg ctactgcatg tgttcctgtc 300
gtggctagca taattgtaga atacagcctt cttctcctga agaagctctc catcgacgtt 360
agctggttgc gacacgacag gatagcccat gtaaccagtg atggatgcgc tgctggcaca 420
atcagcgaac gcttcatgga caaaataagc ggtggtgtgg tggtcgctat ggtctccgtc 480
tccataatca tggacaaagt cctgggtgtt gatgtggtcg tatccaaagt catcggccag 540
attcctcagc acattcacca aatcgtccct ggagtatga 579

<210> 18539
<211> 513
<212> DNA
<213> A.fumigatus

<400> 18539
tttatgactg aatcagtccc aactatgttc ccagctgatc gcgtcggtgt ccccttaatc 60
gggcagttgg ccctatcgcc ggccgccgga agaatgtcgg tccgtctacg catctatact 120
tgcaccgttc ctgaatcgca aggtttatat gattctgcag ctgcagaaag tgaaacagtc 180
tgtttctcaa tggcatcgat agtgagccaa agattgttat taccgcaacg ttgccggacg 240
aggcattcgg tatgcgagat ttgtcggagt ttctccagcc gcgccccctt gctcgccggt 300
cacaatcgat ggtcgcagat aaagcatgac aaggcgaaga atgacaaggc aaagagcaga 360
gagcgtcaaa caatcgcgaa ggaaattagc agtgctacgc agagtgcgtg cttgactccg 420
agtttgccga ggtcagcgca tgcttacttt ttttttgca gtgtggggag ccgatcccaa 480
gttcaacccc cgattaactc ttgcactctc taa 513

<210> 18540
<211> 240
<212> DNA
<213> A.fumigatus

<400> 18540
ttgcgcaaac acactctctc cggcgactgc aaagacctct cccaaacagt gagccgcggc 60
gaacttcgtc ttgagctccg cctcattttt gcctgcattc agtatagcaa gaaggtcggt 120
tactgtttcg aagagtatcc cccgatcccc tttgccaagt atagcgccaa aagagcggcc 180

aaggttgttc cggataacac gagtgatcgt tggcgacgag agggtcaata tcttgaatag 240

<210> 18541
<211> 666
<212> DNA
<213> A.fumigatus

<400> 18541
ctccgagttt gccgaggtca gcgcatgctt acttttttt ttgcagtgtg gggagccgat 60
cccaagttca acccccgatt aactcttgca ctctctaatg cgaaacgtgc cggtataccg 120
aagactgtga ttgaagcagc tattgccaga ggccagggaa taagtgtaac cggcgaggct 180
ctggagtcgg taacgattga agctatccta ccccattctg ttgcggcggt tatcgaatgc 240
cagacagatc aaaaagctcg tgtattacaa gacctccggt atgctattaa ggacgccggt 300
ggcactgtta ctccaacgac atatcttttc gagaagaagg gcaggatcat atttgagaag 360
aaggacggcg tgaatccgga tgattatcta gaccaggtca tcgaggcggg agccattgat 420
gtagcgacgg atgatgaaga ccggcttgtg gtctttacag aaccaacaga aacgaagagt 480
gtcggcgaaa cgctcacaaa agtgacggga ctcgctataa aggaacttga cataatctgg 540
gatccgaaca aggacactat ggtggagttg aacaaggacg agcaagtcag ggaaattgag 600
gacattctga gtacccttcg agaggatccc agcgtccaag atatttatct gaacacatct 660
acctaa 666

<210> 18542
<211> 1725
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (22)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18542
aattgcacgc ctcagattca cnggtcacag ccgttcccca tccctaagaa gatgaagaga 60
cagtttaaaa agcccgcgcc gagacccgga gaggacgacg acgaggctga agtttccgag 120
ccctcggttt ccaaaaaggc agagcccggt ttatacttcc tcctgccgga tcttcttcgc 180
caactttcca ctcaatatat gaaaagcaca acgtccaatc gcgcacgagc cggtattgct 240
gcatgttaca aatatgttct gcgcagccta ggcgacaagc tcgtcgaaga gcgctacggg 300
cagatcgcga atcacctcct ctttgaactt ctgaaccatc caacagtaac ttataaccga 360
ttccgactcc tgatgacccg gaggtttgtt aaaggaattc tggaggagac ggtgggacgg 420
gaaactctgc gcgaaaatag ccagctcaat gctgcgaagt ggttaatcaa cgaaattctt 480
aaggactatc ctcaggtcct tcaagaacgc cgcgagccca gcaaatacac acttgccagc 540
actctgagtg cattgtcttc tttgatatcg tccctaggtt ctgcattcgg cgctatggca 600
gaagcttgtc gcgaggcact gctccaagtc ctccctcatc ccagctacac cgtccaaatt 660
cacgctgcgc actgcttaag gaactttgtt cttgcttgcc cacatcagct catatcctgt 720
gtgaccatct gcctgaacag cctgagcaga gagattgggc aactttctac gccccggcag 780
gcgccacggc gctgtgttgg gtacgccaac ggactgtcgg ctatgttgag tacttctcga 840
ctgcaaccgc tctacggctc tgttgatgtc ttctcccgcg ttttcactca ggcgactgat 900
ctgctaaaga ccagcggcaa atcagagctt cgggcagcga gtacacaggt gcaggtggca 960
tggattttaa tcggaggtct gatgcccctt ggaccaagct tcgttaagat tcatctgtcc 1020
caactgatgt tactgtggaa aaatgcgcta cccaagcatc ttggcaagga taatatcgct 1080
cagcgggggt atctagagat gagttttctt gcacatgtac gggaatgtgc tttggggtcc 1140
ctgttagtat tcatggactt caacagcaaa ttgatcacag cggatggtgc gagaagaatc 1200
gctgctatgc tacagaacac gatagaattt ctcgatgatc ttccgcggca gaagtctgtt 1260
gcagatcttt cgcaacgcct ccaaccttca ttgcaattgc atgatctgac cacaatggtc 1320
cggcgacggg ttctgcagtg cttttctaag ctgattgatg tccatcctct cagccacgcc 1380
gatgtcatct cccagactac tctcttgagt ctttctatct cttcctttgc cgacccagaa 1440

tacacccaac ctgctccgct ggaaagttcg atagcggctg caaccgctca gtttgagact 1500
ctctgggagc tctgcgataa ttttggattt ggtgtcactg gcttagcccg gcaatatatc 1560
cgtgcaacac tctcaggcaa acaagacaac gaaaatggtc ctgcttggtc agctgtcgat 1620
ttatcagatc aagatattga cgatgcagtg agtctttcat ccaccagttg gcacgcgcgt 1680
tcggcactaa caatagcagt tgacttttcc tatctgccaa gctag 1725

<210> 18543
<211> 1335
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1128),(1173),(1217)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18543
aaattcgtcg ttgacgcaga tccaattgtc cgaacaatag gtgctgaagc acttggacga 60
ctctgtgacg gtgctggaaa cacacttatg actacacagg tcaattggtt ggtcgatact 120
attgttgata accgggagcc taatgcccgc gctggctgtg cagcagcctt gggatgcatt 180
cacgcacaag taggtggtat ggcagctggc ctgcacctta agacgattgt tggcgtccta 240
atgtcacttt gtaacgatcc ccaccctgtc gttcacttct gggcacttgg gggtttagaa 300
agagtagcca attccgcagg cttgactttt tcaccgtttg tttccagcgc gctcgggatg 360
cttgctcagc tatacaacgc tgatactcac aatgaagagg ccgcaagctt ggcaacatcg 420
aacatcgaaa tgaccttcct cactccggtg gtaataagtc gctgcgtcga ttcactgatc 480
aatgtcctcg gccctgatct tcaagacatc accaaaacac gaaacctgat tctgacgctc 540
ctccggcaat ttcaactaga ggacaatccc gctttagtca ctgagagctc caagtgctta 600
gatcacatgt cactgtatgc gccgggattt gtggactttt caggatttgt gacgcgtctc 660
caaaatgaat tatctgcagg caacccttg atgagggatg tggccattcg tgcattgagt 720
aatctcatga aacgagatgc tacttccgtc cttcgagcag caacgccaga tctcgaagag 780
cagatatggc ttgcatatga tgatacacct gataacctgg tcctgaaaaa tatgattctg 840
gactggctac agcacaccgc ccttacagag accgagcaat ggattcagcg ttgccagaat 900
acgttgacca agacccgact gaaagtagag gacatcccac caacgtctgc tgttaagacg 960
gctgtcaatg acatgccaga cgacgaggtt gcaggtttcg catatgcaat tgccggggca 1020
ggacaatcgg agactgtaaa cgaaactgtt accggtcagg agctgttgaa atggcaaact 1080
cgcaatttcg tgatgagttg tctgagtcag cttttggcga cagtccanga ggctattttg 1140
cctgatcaga caattcctgc tgaacttgcc ctncaacaca agggtggaga tattgtccgg 1200
atggcattct cagcgtncac cgcaaacgtc gtaaagctga aagtctgggg gcttgagaat 1260
atcgaacagg ttctcaagga aactgggctc tcgctcttct tcaacagggc gatgatttgg 1320
ctggacttcg gaaca 1335

<210> 18544
<211> 1104
<212> DNA
<213> A.fumigatus

<400> 18544
ttgttacagg atattcctgc gccagtccag tcttttctca gacaatatct ttcgtcttgg 60
aacggccgtg ataacaaaga agaggttctc agtcttcttg agtacctgcc cgtccaggac 120
tttgatattt tacgagccaa cttcctgact cccttggagg ctgccatact gggcagtggt 180
ccattcacta tgacagtcat tcttgacctt tattcttcac ttattcggca atggggtgtg 240
aagctgaggt cttcaccttc agtctctgca gaatcaagac cgttgggtca cctaatcact 300
catgcggaac tgctggcatt gtcaatacta gagagtcttt cggtggcgtc caataccggc 360
aataaggaac ctcgcaaacc ggccgcccta tctgtcctcg agttctactg cgttttagcc 420
aacctattct cttatgcgcc cgtgaatggc cagatccgtc tcactattcc tctagctccg 480
acagtctaca ctctcgtttt tacacccatt ctctccagca tctccatcat cagctctgtt 540

cttgccagct acaaaatgtc cttcgaaaca tctctgacat ccgaaattct tcaagtacca 600
ggctctacaa attcgctgta tccgactgaa ttggtgggcc agttcaacgg ctacgtcatg 660
gacgtctgca atctggtttg gcgaaatcga gggctcaatg gcgatgatcc aaacgcactt 720
ggctgtctgc tgccacctgc tacaacgagt gcgctcacac aatacattcg ggaattgaac 780
gaggcatccc gagacagaaa gcgcgaggct tcgtttttct tcaacctgtc ttccattttc 840
tctcttagtt accatgtagc cctgtgcaac atgtcagccg gttgcttcgc tgacatagag 900
gaagaaaaca acatcacgga gggcaagcct agattgagaa aacccgtgac tcagaaggca 960
ctgagtgcac ttgagaaaga cggtggtgtc aagttgactt ggcaggagta cagggtgcgt 1020
atgcttgact ggctagacgc cacaggaagc cgtgggattg ggaacttgat gcgcagtacg 1080
atgaaagctt tacgtaagga ttga 1104

<210> 18545
<211> 291
<212> DNA
<213> A.fumigatus

<400> 18545
tggtcatcaa aattaggtag atgtgttcag ataaatatct tggacgctgg gatcctctcg 60
aagggtactc agaatgtcct caatttccct gacttgctcg tccttgttca actccaccat 120
agtgtccttg ttcggatccc agattatgtc aagttccttt atagcgagtc ccgtcacttt 180
tgtgagcgtt tcgccgacac tcttcgtttc tgttggttct gtaaagacca caagccggtc 240
ttcatcatcc gtcgctacat caatggctcc cgcctcgatg acctggtcta g 291

<210> 18546
<211> 303
<212> DNA
<213> A.fumigatus

<400> 18546
accaatcaag ggcgcagatt tgggatactg ccggtcagga acgctaccct ggccattaca 60
tctgcctatt accgtggcgc cgtcggtgcc cttcttgtgt acgatatcag caaacaccag 120
acttacgaca atgtcaaccg ctggttgaag gaactccgtg atcacgccga ctccaacatc 180
gtcatcatgc ttgtcgggaa caagagtgat ttgagacacc ttcgcgccgt gccaacagat 240
gaggctaagc aatttgcgag tacgtttgtt gtccaggcag ctcctcaggg attgatttac 300
tga 303

<210> 18547
<211> 240
<212> DNA
<213> A.fumigatus

<400> 18547
gtcgattcac ccgccaacga gttcaaccta gactccaagt tctacccatt ggtgtcgatt 60
tcgcaacccg ctcaatccaa gtggactttt agaccaatca agggcgcaga tttgggatac 120
tgccggtcag gaacgctacc ctggccatta catctgccta ttaccgtggc gccgtcggtg 180
cccttcttgt gtacgatatc agcaaacacc agacttacga caatgtcaac cgctggttga 240

<210> 18548
<211> 207
<212> DNA
<213> A.fumigatus

<400> 18548
gcttgctttt caaaacatcc tcacaggttc gctccctcta ttcatgaccc cttgtccaaa 60
tggactcaca tgttgctaga aatttaccgc atcgtctcca gcaaggcttt ggataatggt 120
gactccggac aagccccccc cagcagcggc cgcacgattg aagtcagcaa ggctccggat 180

actgagtcga agcaaggctg ctgttaa 207

<210> 18549
<211> 210
<212> DNA
<213> A.fumigatus

<400> 18549
gcaatttgcg agtacgtttg ttgtccaggc agctcctcag ggattgattt actgacatct 60
gctcggaaca caataggcga gaacaacctc tctttcatcg aaacatctgc gcttgacgca 120
agcaatgttg agcttgcttt tcaaaacatc ctcacaggtt cgctccctct attcatgacc 180
ccttgtccaa atggactcac atgttgctag 210

<210> 18550
<211> 207
<212> DNA
<213> A.fumigatus

<400> 18550
tgtaacccca gaattatcaa ctcaacactc tggcgcagac aatttgcacg cggcacccca 60
aaacactttg cgagaattag agcttgtgaa tgtagctgta caggaccccg cacaacaaac 120
cggcgaacta ttatcaacat cgcaggttcc attgccgaaa cacagaactc cgcaagcagc 180
aaccgagact tcacctataa cctctga 207

<210> 18551
<211> 1293
<212> DNA
<213> A.fumigatus

<400> 18551
acactctttc aaatttacct tcttctgctt tgcggtctgg ttctgtttac tcccgttgaa 60
acgcttgttg ctgatcggga tcagagaaac aatcataagt actccgatgc ttggttagaa 120
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<210> 18552
<211> 1797
<212> DNA

<213> A.fumigatus

<400> 18552
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cactctttca aatttacctt cttctgcttt gcggtctggt tctgtttact cccgttgaaa 1740
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<210> 18553
<211> 612
<212> DNA
<213> A.fumigatus

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gaaggcacag acggcaccaa gctcgttgag tccgacgcta tcgcgcagta cgtcgccgag 180
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cccaaggctt ga 612

<210> 18554
<211> 183
<212> DNA
<213> A.fumigatus

<400> 18554
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cactatcaca acatccgtgt ctatggtttc tggttcggca ccaggggggaa attgcaggaa 120
ctcgtattcg aaaccatccg ccggtttgcc gtggatgggg acgcgggggc agccaacgac 180
tga 183

<210> 18555
<211> 234
<212> DNA
<213> A.fumigatus

<400> 18555
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ttcgccgtct ccaaccaggt ctgtttcgag attcccgtag agcttgaaac cgaggcagtg 180
accatgatgt taccggagct tcagacactg tgggtcgagg ttccgagagt ctaa 234

<210> 18556
<211> 1113
<212> DNA
<213> A.fumigatus

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tcccagctat tcgaatccca aatcttcatc caaatcggcg aacgccattt ccaaatctcg 180
cgcgacatct tctccggacc cggcgactct cccaatttct tctccctcgg gttcgccatc 240
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agggcgagga atcgctctac ggggcctcta tag 1113

<210> 18557
<211> 1797
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (641)
<223> Identity of nucleotide sequences at the above locations are unknown.

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tattctacct atataatcct cattctcgag gcgactactt attactactc ttcggctgtg 240
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gcttccaaag tcattgtttc ctgtggaaca ttgcacagcc cgcttttgct gctgcgtagc 1740
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<210> 18558
<211> 819
<212> DNA
<213> A.fumigatus

<400> 18558
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tttgaagatc aggacggcca gggccacgga gtcaagatcg agaacgtcgt aatgcttcct 180
gccctttatc ttccgacgtt cccgtggcga gacggattgg attacaagct ctgggcagcc 240
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aaggcgaacc atggcaagac cgtgctggct cgtctctga 819

<210> 18559
<211> 276
<212> DNA
<213> A.fumigatus

<400> 18559
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gcgcgtcatg aacatcggcc acggcatggg catcgtcgac ggcttcatcc aggagcagtc 180
gccggccgcg caccacatcg tcgaagcgca cccggacgtc gtggcggaga tgaagcggaa 240
aggctggcac gaaaagcccg gcgtggtgat ccatga 276

<210> 18560
<211> 972
<212> DNA
<213> A.fumigatus

<400> 18560
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gcgcggcggt tggggctaac cgagctgtat gagatgattg tggatgcggg tgtgcgggca 120
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<210> 18561
<211> 255
<212> DNA
<213> A.fumigatus

<400> 18561
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aacaatgaat ccttgccttc cttggaagct acagagcccg atcaatttag gaagtgcaac 180
aagtgcaaca ggtgcaacaa aggaaagaac aatcaatcga ccctcaaaaa tgcctcaggt 240
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<210> 18562
<211> 3615
<212> DNA
<213> A.fumigatus

<400> 18562
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<210> 18563

<211> 804
<212> DNA
<213> A.fumigatus

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<210> 18564
<211> 2310
<212> DNA
<213> A.fumigatus

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<210> 18565
<211> 189
<212> DNA
<213> A.fumigatus

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caatgtgtcc agttccgtgg cgattttgtg ctgccaggat acgtcgtgaa gttaactttg 180
gctgaatag 189

<210> 18566
<211> 255
<212> DNA
<213> A.fumigatus

<400> 18566
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gacgccctca atggaactgg taatcctgct gctcagccat cgcgcttcgg tgaatttggt 180
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agaagctgtg aatga 255

<210> 18567
<211> 1344
<212> DNA
<213> A.fumigatus

<400> 18567
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<210> 18568
<211> 528
<212> DNA
<213> A.fumigatus

<400> 18568
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attcccatct tctctgcggc tggtcttccc cataacgaga ttgccgctca gatctgtcgg 300
caggccggtc tggtcaagaa gcccaccaag gacgtccatg atgggcatga ggagaatttc 360
tcgatcgttt tcgcggctat gggtgtgaat atggaaacgg cccgtttctt cacccgggat 420
ttcgaggaga acggcagtat ggaacgtgtc actctcttcc tcaatttggc caacgatcct 480
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<210> 18569
<211> 483
<212> DNA
<213> A.fumigatus

<400> 18569
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gatgcccttc gagaggtttc cgccgcccga gaagaagtcc ccggacgtcg cggttacccc 180
ggttacatgt acactgactt gtcaaccatt tacgagcgtg ccggtcgtgt ggagggccgt 240
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gagcagattc tcttgcggtc gcttagcagt tctgggctga ctgtgtctct agatatcacc 360
caccccattc ccgacttgac aggttatatt accgagggac agatcttcgt cgatcgacaa 420
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taa 483

<210> 18570
<211> 375
<212> DNA
<213> A.fumigatus

<400> 18570
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gacaaaaggt attcatcctc tttcgaactg ctgctcattt tcgcaaattt gtcttgcgaa 120
tctctgcagt tcgctagtta tccctatcta ttcgtggatt tgaggggcgg agagaacaag 180
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<210> 18571
<211> 1041
<212> DNA

<213> A.fumigatus

<400> 18571
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<210> 18572
<211> 210
<212> DNA
<213> A.fumigatus

<400> 18572
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cccttgatat tgtatgatta tgatctacta ccatggggtg ccgagatgat tttttccatc 120
tgcgatctgc tcttgctggc tctcttttac cttctctatt tgagcaccac agtctattgt 180
gtctcgactt tttatgttgt cagagtatga 210

<210> 18573
<211> 318
<212> DNA
<213> A.fumigatus

<400> 18573
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tcaggagcag ctcttcctga cctttcatcg ccctctccta tagcttcctt cagcgctcaa 120
cggtcgtccg ccaaggatcc tgcagccatg accgaatcat tcgtcgaccc gaggatggcc 180
aacgtcaagc ctcgcatccg ttacaacacc atcggaggta tcaacggtcc gctagtcttc 240
ctggataacg tacgtaattg ggctgggtcg cagcgtcgac gcaaacctat ctgcgacatg 300
aatggaatga catgctga 318

<210> 18574
<211> 255
<212> DNA
<213> A.fumigatus

<400> 18574
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tatctggata tcaacggtca acctatcaac ccctactcgc gagtatgtat ccgaccttcc 180
gtcacggcaa tgtcagggct tgcaagggtg gtccagctaa tacgtgggaa ctccaggtct 240

accccgagga aatga 255

<210> 18575
<211> 735
<212> DNA
<213> A.fumigatus

<400> 18575
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<210> 18576
<211> 897
<212> DNA
<213> A.fumigatus

<400> 18576
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<210> 18577
<211> 297
<212> DNA
<213> A.fumigatus

<400> 18577
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tccctcgaca tcgcttggaa cctgctccgc atctacccca aggaactgct gaaccgtatc 180
cccaagcgta cactggacga gttctacgcc cgctccgcac gcaagctgcc ggccaaggac 240
acaagggaca actccgcgga gaacgtggtg ggcgctgctc ctctcatcga gacctaa 297

<210> 18578
<211> 1692
<212> DNA
<213> A.fumigatus

<400> 18578
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gctttttttt aa 1692

<210> 18579
<211> 330
<212> DNA
<213> A.fumigatus

<400> 18579
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accaactccg tctcgctgct tgtcggatga 330

<210> 18580
<211> 192
<212> DNA
<213> A.fumigatus

<400> 18580
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gatcctgact ggtctggcat taaatttgga aatctttcat tcaccgctgg gtggacttac 120
atggtaatta ttaggccgag gcgtaaccgc tgcatagtaa catctaaaca tctggcccag 180
tttaaattat aa 192

<210> 18581
<211> 216
<212> DNA
<213> A.fumigatus

<400> 18581
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gcctccgccg caacatggac tgcatccgca atacgaccgg tcagtacatc cgggtcatcc 120
agcggaaagc tcattaccac ccgctattcc accaccaatg gcgcaacata cacctcttcc 180
ggcactcaca ggacgctctc ctcgcttggc tcctga 216

<210> 18582
<211> 186
<212> DNA
<213> A.fumigatus

<400> 18582
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aaatctagtt attcttgcgc tgcggacatt gcaatcgcct atggcctaga atatggcagt 120
cactgcagcg tgggggtgcc cattgagggc gttgttctgt atctactacc tgctctggag 180
ggatag 186

<210> 18583
<211> 726
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (605)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18583
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gctgcccctc ttcttcactt caccacctcg cctcggtcct cctccgccgt tcgtcgccca 180
tttgcaaaca tggctatcaa ctctgctccc gagtcttctc tcctctccct tctctaccgc 240
tcgtacccgg ctgcagtttc tcccgacgcc acagagcttg atctgctcca tgcctccccc 300
aaaatctttc ctcagacgac tttctccctt gaggagcagg cttcgatcaa gcaatggctg 360
gacaccattt ctggtcttca aaatgctttg accaaagacg acaagtccgt ggttatggcc 420
atcctcggac agctgaacag tcacctggcc tcgcgcacaa ctttgctggg aaccaagcct 480
tccgttgctg atatcgccgc atacgctctg ctcgctcccc tcgttgagaa atggaccccc 540
gaaaaacgca ctggtgagca agggtaccat cacattgtgc gacacgtcga ctttgtgcaa 600
aatanccgcc tgttcgctct ccagatcccc gacgaagaga agatcagcat ccaagtgaac 660
gaattgcgat tcgttcccaa cctgtgggac ccgaatgaat acaaggagcc cacgaataag 720
gtataa 726

<210> 18584
<211> 864
<212> DNA
<213> A.fumigatus

<400> 18584
gcgagcggat cacgcaaccg agcggatcac caaacgcgtt ttgacttcta tttcaaaagc 60
tgcagtgctc agccagccac tatgccacca aaagcgcgta taaactcaaa aaattcagtt 120
gagcaggagg gaagggtcct acttgcagta tcagctttga aaaataagga aattctcaat 180
attcgtgaag ctgcgcgtgt ctataatgtg ccttatacta ccctccagcg gcgcctaaag 240
gggcatactt ttcgagctga attacgcgca aatggccata aaatgactca gaatgaagag 300
gattcactta ttagatggat tctatctatg gatcaacgtg gagcggctcc ccgaccgtcc 360
catgtacgag aaatggcgaa tatcctgctt gcgcagcgtg gttcaactcc tacccagact 420
gttggagaga aatgggtata taacttcatt aatcggcatg atgagatcaa aacccgattc 480
tctaggcgct ataaccacca gcgtgctaaa tgtgaagacc caaagattat cctggaatgg 540
ttcaatcgtg tccagatcac aataatgcag catgggatta cactggaaga tatctacaac 600
tttgatgaaa ctggctttgc aatgggctta gtagctactg ctaaggtagt tacaagagct 660
gagatgctta gtcggccctt ccttatccag ccagggaacc gcgaatgggt tacctctata 720
gagtgtatta actctactgg ctgggtgctt ccaccatgca ttatcttcaa gggaaaggtc 780
catattgagg gctggtatca agatacagcc ttaccagcag actggcggat cgaggtcagt 840
gagaatggat ggacgactga ttag 864

<210> 18585
<211> 540
<212> DNA
<213> A.fumigatus

<400> 18585
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cagcctctag atgttggctg tttctctcct cttaagcgtg cgtatggccg cttgattgag 120
gataagatgc ggcttggttt caaccatatt gacaagtttg atttccttga ggcctatcca 180
caagctcgta cggcaatctt ttcagcagat aatattaaaa gtggcttttc agcaactgga 240
ttaataccac tgaatccaga tcgggtgctc agtcagctta atatccagct tagaacacct 300
acaccaccag gcagccgatc aactaattct gtcccaaaaa caccttacaa tctcaagcag 360
ctgaagaagc aggaaactac gcttaagaag ctacttaggg agcgtatata cagccctcct 420
acccctacaa aggctgtgct aggtcagatt atcaaggggt atgagatggc aatgaataac 480
gctgcccttc ttgcaaagga aaatcatgat ctacatgctg cacatgaaaa gcacctttaa 540

<210> 18586
<211> 228
<212> DNA
<213> A.fumigatus

<400> 18586
aagcagaagc gatctaggcg gcagatagaa actgcagtgg gattatctat ccaggaaggg 60
caggagatca ttcaacgcag ggatcaggct gctgaagcta tcccaactat ccctccagag 120
caggtagtag atacagaaca acgccctcaa tgggcacccc cacgctgcag tgactgccat 180
attctaggcc ataggcgatt gcaatgtccg cagcgcaaga ataactag 228

<210> 18587
<211> 1566
<212> DNA
<213> A.fumigatus

<400> 18587
cccatcttta gtaagccaat tctggctgtt atttatcggg catatcatgt tctccctcaa 60
tatgagttac catcttcatc catcatgact aaggtcaata tcattttcgc actgttcaac 120
ctgatccccg ccatcctggc aatatgctcg acccagtccc ccttctaccc acctccatct 180
tacaaccgtc agtcctctga agtatgggaa gccctcggcc ttgtagaagc gtcgctgtca 240
aacttactcc gcaactccaa caatctcaat acatcatcct attcgattga aatcacccca 300
tcacggtcca ccctatggtc gacgttccat accgcaaagg ataaaaacct aacgcgacct 360

ggagccgata gagttgatga gacaagtcga tatcgtatcg caagtatcac caaggtcttc 420
actgtgctgg ggatactcca acaacatgcc gcagggaacc tctcccttga ggatatggtg 480
gacaaataca tccctcaact ccgtagttcg catcacgacg ggaccagaag ttctggtagt 540
atccagtggg acaaaatatc actccgatct ctggttagcc aactctctgg cctaccccgc 600
gactgggtcc agggggattt cctcaccgat cccgagtccg tcaacacaac tactaaatgc 660
gactctgaca acagccatag gccctgcaca gcggaggact tatttgacaa cttacgaagg 720
aggcgagcgt tgtttgcacc gaacaaggag tcgacatatt ccaaccttgc atttgacctc 780
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gttcttccca agggaattgc atggtactcc gacgtcgacg agcctgtgga aaatcccacg 960
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tacaaagata ttgccgatgc aaaactgaat tggctactac ctgtatcatt tacggctggg 1080
atggggagtt attacggcat gccgtgggag attttccgcg cggacagaat tcttctcccg 1140
gatgataagc gaagggcaag gacagtgacc tttttcacca aagacggtgg tgtccccagg 1200
tatcgatcca tcatcctcat cgcaccggaa tacgatttgg gtatcacggt tctcacagct 1260
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cctaccaagg agcaaacagt caactccacg ttgacactta cttatacgtc aacccatggc 1440
ctcgagatca acgagtggat ttcaaaattc cacagatgtg ctcggcttca tatccaagca 1500
ctttcagtcc cccgaaatca caaagtttca cgctcagttg atcccctctg gtctctacag 1560
agatga 1566

<210> 18588
<211> 207
<212> DNA
<213> A.fumigatus

<400> 18588
acctatcgtt cgtgcatggc agtcatgagc atccttggat ttggttctat tagatggcgc 60
aagactaatt ctccatctca tagtacagcc tgttatgccg tcgtgttctg taatgagcag 120
ggaatcattg gaaacatcag tggcgtcaaa cactctgatg gggccgcatt tagcatggta 180
tataaggtcc gctgtagcag gaggtaa 207

<210> 18589
<211> 252
<212> DNA
<213> A.fumigatus

<400> 18589
gcagggtgta gtaacatgga tccaaagggt aacctttaa gtaaagcgtt tcaggaattt 60
ctaccatggg gcatctctaa gcagcgcaat tataatggtt atgccaccca acttaaagtc 120
tcaagcggtg gttcctgttt tctttgtctg ccgcaatcga tatcctcgta tactaatcca 180
ccttccttcc ctcacgcagg agcatattat aggctaatat ttttactgac tgttcaaaaa 240
tgccagccat ag 252

<210> 18590
<211> 564
<212> DNA
<213> A.fumigatus

<400> 18590
gtccagagaa cattgattga tatttcatct atacaacttc ggatggacat tccactcggt 60
tcttttgacc gcttcatcgt gtacaagaca tggaagcatg acgacagcgt catataccat 120
ctcgcgactt ggacaaacat aacagcctac tttacaaatc tgctgttccc ctcttgtaag 180
gtgactgtca ttttcctgaa agttcagctc ccagagtatc ctgatgcttt caatgcattg 240
ggagacgaag gtgttgaact gagtgacaac gtcaaatatg ggcttgacga tgacatcggt 300

actgaattaa aacaaaagat tgagatgtgg aattctgtgt ccagcgccga catcaagcag 360
ttttgtgaca agcacatcga tcaagttgaa gtgggcattc aagaggcagg atacttccga 420
attgtaacag ttgtttggga accggaaaaa ggaagcctac ccagaattgc tggaatgcac 480
aagtttatcg aaaataattg gatttggaaa aaggaggcag gagccgaaaa agtcttgagg 540
atgccccttc cggttcatta ctaa 564

<210> 18591
<211> 1623
<212> DNA
<213> A.fumigatus

<400> 18591
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ccaatcatgc atgtcaccag tcaatttcta taccgaggat cgtacctaga ttttgagaac 120
actttccagc gcaaggatga ggttcccatg caagttcacc ttgcttcaag cagggacgtt 180
gcaattctac ggtcgaaaga gtggttccgt ctagacgaac ccgacgtcga attgttaggt 240
cagactctta ctttccgtct ccagagcttg gtccggttca aaaacaaatc tgtattcagc 300
cacgttcaga cggtcggcca ggtgctgctt gaacttccca caaaggaagt cattcaggtt 360
gcaacagtgg attacgagac cggaacttct catggtaatc cggtcattga ctatcttcaa 420
cgcaatggca cgtccataga gcaaccggtc tatttcgaaa accctattcc gttgagcgga 480
aagacacccc tcgttttgcg cgcaccggca tcaaatgaaa catatgctcg tgtttcaggc 540
gattataatc caattcacgt ctctcgtgtt ttctctagct atgccaatct tccggggacc 600
atcacacatg gcatgtatac cagcgccgct gttcgcagtt tcgtcgagac ctgggctgct 660
gagaacaata tcggccgtgt tcgaggcttc catgtgtccc ttgtcggtat ggttctcccc 720
aatgatatga tcaccgtgaa gttacaacat gtcggtatgg tggctggtcg taaaatcatc 780
aaggttgagg ccagcaacaa ggaaacagaa gataaggttc ttctgggcga agccgaagtc 840
gagcaaccag taacctccta tgtcttcact gggcagggct ctcaggagca aggaatgggt 900
atggagctgt acagcagcag ccctgtcgcc agggaggttt gggatcgggc ggatcgtcat 960
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gctcttgcag atgtcatgcc tattgagagt ctggtttccg ttgtgttcta tcgtggtttg 1380
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gtgaacccaa gtcgcatctc aaagacattc aatgagcaag ccttgcagta cgtcgttgag 1500
aacattgctg agcaaacagg ttggctgttg gaaattgtca actacaatgt cgcaaatatg 1560
cagtatgttg ctgctggaga tgtaagtgtt caccctttct tcctcaatat ctcagtattc 1620
taa 1623

<210> 18592
<211> 495
<212> DNA
<213> A.fumigatus

<400> 18592
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aacatcgaca ttccagcatt aatgcaaagc atgtccttgg atgacttgaa ggctcacctt 120
gtcaagatca ttcatgaatg tgtcaaacaa accgagtcga agcccaggcc tattgtcttg 180
gagcgaggct tcgccactat tccactgaaa ggaattgacg tgcctttcca cagcaccttc 240
cttcgctccg gtgtcaagcc tttccggtcc ttccttctga agaagatcaa caaaactacc 300
atcgatccga gcaagttgat tgggaaatat attccaaatg tcactgcccg tccattcgag 360
atcacaaagg agtattttga ggatgtgtac cgactcacaa actctccgcg gattgcccat 420
atcctggcaa attgggacaa gtatgaagag ggaggtgaga acacttcacg cgccacaggt 480
accaacacgg cctga 495

<210> 18593
<211> 3507
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (60)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18593
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gtggttacct gcaaggttct aggtcggcaa cctggtgaga ttctagagcg gttcagcggt 180
actacaggtc actctcaagg cgtggtcact gccgctgcga ttgcctcggc aacaacatgg 240
gagagtttcg cgaaagcggc caaagatgcc ttgacaatgc tcttctggat tggtcttcgc 300
agtcagcagg cttaccctcg gacatctatt gccccctccg ttctgcagga ttcgattgag 360
aacggggaag gcgtcccaac ccctatgttg tccattcgag atctgccgag atctgctgtc 420
caggaacaca ttgataccac caaccagcat cttcctgtcg atcgtcatat ctctatctcc 480
ctggtcaaca gcgctcgtaa ttttgtggtc actggacccc ctctgtccct ctacggtctc 540
aaccttcgcc tacgcaaagt caaggctccc actggcctgg atcaaaaccg ggttccgttt 600
acgcagcgca aggttcgctt tgtcaacaga ttcttgccaa taactgcgcc attccacagc 660
cagtacctct acgcagcgta cgaccgtatc ctagaggact tggaggacat tgaaatatca 720
gctaagtccc ttgcgatccc tgtgtacgac accaagacgg gtgatgatct ccggcaaagt 780
ggcgacacca atattgttcc atctctggtt cgcatgatca cccacgatgc agtcaactgg 840
gagaaggcaa cagtcttcca aggcgccact cacatcgtcg atttcggccc cggcggtatc 900
tcaggtcttg gtgttcttac gaaccgcaat aaggatggta ctggagtccg agtcattctc 960
gcgggggcta tggatggcac caacgccgag gtcggataca aacctgagct gtttgaccgc 1020
gacgagcact ctgtgaaata tgccattgat tgggttaagg agtacggccc ccgtcttgtg 1080
aagaacgcaa cgggccagac gttcgtcgat accaagatga gccgtctttt gggcatccct 1140
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atgaatgcgg ggtaccacat tgaacttgct gggggtggtt actacaacgg aaagagcatg 1260
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gccaatgaat acattgaaac cctgggaatc aagcatatag ccttcaagcc aggctccgtg 1500
gatgctattc agcaggtcat caatatcgcc aaagccaacc cgaagtttcc tgtcatcctt 1560
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ttcggtggtg ctgaagacac gtacccttat ctttccggag catggtcttc gagcttcgga 1740
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gcgcacacgt ctaagaatgc taagaaggca attgctgacg cccctggtct tgatgacaaa 1860
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gaggcggtcg atcttgaaga catgacatac gctgaggtgg ttcatcgtat ggtagaactc 2160
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aattattccg agctcgatac tccttatccg gcaattgata acattttagc agcttaccct 2340
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cggcgcggac agaagcctgt cccatttgtg ccggcactgg acgagaactt tgagtattgg 2460
ttcaagaagg actctctttg gcagagcgag gatttggagg ccgtcgttgg gcaagatgtc 2520
ggaaggacct gtattttgca aggtccaatg gcagccaaat tctcaaacac catagacgag 2580
cctgtccaac aaatcctgga tggtattcat caaggtcata tcaagggtct tctccaggac 2640

gtctatggcg gtgacgagtc caagatccct gtcattgagt acttcggagg ccggcttcac 2700
gaagccgtca gtgagttaga catcgacggg ctcacgatct ctgaagatac aaacaagatc 2760
agctatcgtc tatcatcctc tccctcaggc gaccttcctg atcttgacct gtggttacgc 2820
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gtcttcgctc ctatggactt tgccattgtt gttggctgga aagccatcac cgagcccatc 3420
ttctctccga caaataaagg ggatctgttg aaactggtcc atccttcccc acggagttca 3480
agtgggtacc tggtgctcaa cctttga 3507

<210> 18594
<211> 351
<212> DNA
<213> A.fumigatus

<400> 18594
cggtgctgga agcggaccca aatggatttt gaagaagatc ggtttgcgga tgatgaagag 60
cacgatgatc ttttcaacga agacgaggag accaaggcag cggaaaagcg gatcaaacag 120
gatcagctga aggcaaatgt cttcgatttg aaggatgaaa aggattacga agaagaggag 180
ctcagggaaa agaaggaacg ggaagctcgc cgaatactgg gcaagaaggt ccgcaaagcc 240
ctcaagaaac gagagaagaa ttacgactat agcagtggct ctgatgccaa cccctactct 300
gatgatgagg tgtgttcgtt aggatctaat ttggttacac agttatgcta a 351

<210> 18595
<211> 366
<212> DNA
<213> A.fumigatus

<400> 18595
agctctgatg atagcgaagc tgaacgatta cgggaagagg agcgaaaagc tgaagaggac 60
aaaaataaga aggattcggc tccctcgaca aggggaaatg ttaccccatc tggccgtccg 120
aagcacactg aacctttgaa gaagggccca ggtgcagcgt cacggaaacg gcttgggtct 180
ccaaacgtat cagatgcaag tggcacagat acctctcgca aaaaggcaaa gagcaagcat 240
tcttctcagc ctacgcccca gccaacttct cgtgcccttt cgccaactgc gcctccagga 300
caggtgagtt ttttcaaccg taactgtctg ttcattgtac tcatctccat cggtacaggt 360
tggtaa 366

<210> 18596
<211> 411
<212> DNA
<213> A.fumigatus

<400> 18596
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gactgtctcg aaagtcatcg acatgtagtt ctggcgaatg gcttttccac ggggaccacc 120
aaagtagaca gtgagctcct tgggattgtt tttgacgata tcaatgatgg acaagccata 180
gttctcgatg aaatgacgat ccgcccgatc ccaaacctcc ctggcgacag ggctgctgct 240
gtacagctcc atacccattc cttgctcctg agagccctgc ccagtgaaga cataggaggt 300
tactggttgc tcgacttcgg cttcgcccag aagaacctta tcttctgttt ccttgttgct 360
ggcctcaacc ttgatgattt tacgaccagc caccataccg acatgttgta a 411

<210> 18597
<211> 423
<212> DNA
<213> A.fumigatus

<400> 18597
tctcgggcgc tttcaactcg aaggatttcc agcggacgat ccactacagc gagtacagcc 60
aggtcgaaca gacgaacatc aaggcgaatg tgtcggcgat ggtgcagatt ggttcggtcg 120
gtggtgctct tttgtaagtt ccgttttcta ctttggataa gacaactttc tcacccaaac 180
agtgcgttct tggtctgtga ccgcattggc cgtatctggg ctactcgtca gctgtgtctt 240
ttgtggattc ttgggattgg catcttcttg ggcgcaaacg gaagccttgc cgccatctac 300
gccggtcgct tcattgccgg attgggtgtc ggacagactg ttgtggtggg cccggtgtat 360
ctcgctgaga ttgtgagtat cccttcgcat acggtcccga tgcaagctga caggcgtggc 420
tag 423

<210> 18598
<211> 222
<212> DNA
<213> A.fumigatus

<400> 18598
gcccccgcgt ccatccgagg tctctgcacc tgtgtcttta ccggtttcgt gtatcttggt 60
atcgtcctgg cctacttcac caactacggc tgccaggtta acctcggaga caacacgcac 120
aagcgatggg tgagtgaagc agcaactgcg ggagaatcga tcgcagctga ccaatcccgt 180
aggaagtgcc aaccagtctg cacatcatct ttgccggcct ga 222

<210> 18599
<211> 429
<212> DNA
<213> A.fumigatus

<400> 18599
tcagccgccg tcgcttcgtc gccccctcct tcaacgacat ccgcctcacc ctcaacaccg 60
cccagctcct cggcctcgtc cgcgggcccg gtctcgacct cgtcaccttc gacggagacg 120
tcaccctcta cgacgacggc gcctgcctca ccccggacaa ccccgccatc ccgcgcatca 180
tccgcctcct gcaccagggc gtgcgcatcg gcatcgtcac cgccgccggc tacaccgagg 240
gcgcaaagta ctacgagcgc ctcaagggcc tcctcgacgc cgtccatgac tcctcctccc 300
tcaccccccgc ccagaaagac ggcctggtcg tcatgggcgg cgagagcaac ttcctcttcc 360
gcttcgactc ggcctcgccg caccgcctct cctacgtccc ccgcccggag tggctcctcg 420
acgaaatga 429

<210> 18600
<211> 789
<212> DNA
<213> A.fumigatus

<400> 18600
ggaccacgag tacgttgtgc aggagatcac ggccatcgag cagtcccacc aggccgaact 60
cgaggcgacc atgggcgctg gctggctcgg catcgtcaag gagacctttt tcatcccgaa 120
gaacctgtac cgcatctacc tgacggtcat gtcgcagatt ctctcgcagt ggtccggcgc 180
cggctccatc accctctacg cccccgatct cttcaagctg ctcggtatca ccgggtccaa 240
cgagagcctg ctcgtgaccg gtgtgttcgg gatcgtcaag ctcgtcgcag ccatcacctg 300
cgccctgttc ctggtcgacg tgatcggccg caagcgctcc ctcctcatcg gtatcaccct 360
gcaggccatc gccatgatct acgtcgccgc cttcctgacc gacgtcccgg agatgggcat 420
cgtcgacgac tttgtcctgc cggagtccaa gcttggcgtc agccgcggcg ccatcgccat 480

gatctatatc tccgggttcg gctgggcgct cggctggaac tcgatgcagt acctgctcac 540
ggcggagctc ttcccgctgc gcatccgggc cctggcgacc tccatcgcca tgacgctgca 600
ctttgccaac cagtacggca actcgcgcgc ggtgcccaac atgttgctgc ccacccagca 660
cggcggcatc actcccaagg gcacgttttg gtgctttgcg gcggtgacca tcctcggtgg 720
agtgtgggtg tttctcagtg tgcccgagac agccgggcgg tcgctcgaga gcatggatcg 780
gctgtttga 789

<210> 18601
<211> 204
<212> DNA
<213> A.fumigatus

<400> 18601
ctcactccga tagtcgcatc gtcgagacca actggtaagt tcttcacggc gcgtctcaac 60
ggccaaacta acatcttcca gattgaatgg atcaaagtga gtacggtcac tccatatcta 120
caggaggaag ctcattggat agggccttct ggcggtcccc tttgtgctgc actcgcagcc 180
caccgctgtc taccaggaac atag 204

<210> 18602
<211> 405
<212> DNA
<213> A.fumigatus

<400> 18602
acgcaacgcc gccccgggca agtccaaact gaaactcctc gtcccgaccg cgggctcttt 60
cttcagccgg ctcccgctcg aagacgcctt caaataccaa gacgcaaaac gcatgatcag 120
ccgccgtcgc ttcgtcgccc cctccttcaa cgacatccgc ctcaccctca acaccgccca 180
gctcctcggc ctcgtccgcg ggcccggtct cgacctcgtc accttcgacg gagacgtcac 240
cctctacgac gacggcgcct gcctcacccc ggacaacccc gccatcccgc gcatcatccg 300
cctcctgcac cagggcgtgc gcatcggcat cgtcaccgcc gccggctaca ccgagggcgc 360
aaagtactac gagcgcctca agggcctcct cgacgccgtc catga 405

<210> 18603
<211> 702
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (11),(49)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18603
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ttcatttttct tcttcaacaa tatcacgtcc caaggcctgc ctttttcgc accgacgatt 120
gtcaggacca tttacccaca caacagcgtg tgttcccagc agctgcacac tgttcctcca 180
tatgtagtcg gggcgttctt caccgtgttg ttccccttcc tcagctggcg atttgaccgg 240
cgcatggtct tcttcgtgat tgggcccctt ctaatgatgg cgggtaccat catgttcttg 300
cccaccactg acgccatgat ccgctacggc gcgacgtttt tgattgctag cggtgcgttc 360
gcctttggcg ctctgtgcaa tgcgaatgca tcgaacaacg tggtatctga cactgcacgg 420
tcatcggcta tcggaacgac ggtgatgatg ggtaacattg gcggcttgat ctcgacatgg 480
tcgtttttgc cctttgacgc tccgaattat catattggca acggtctcaa cctggccacc 540
tcgtccatga cgatgcttct cggagcattg ctctggggat ggatgcggtg ggacaacaag 600
agacgcgaga aggtggatgt tgaccaggct ctggctggtc tgtccctgtt gcagattcag 660
gatcttgatt ggcgcaatcc tgctttccgc tggcgtgact aa 702

<210> 18604
<211> 384
<212> DNA
<213> A.fumigatus

<400> 18604
agctgggaag tgatcgtctg tccatccctg tttggccatc accctcctca attttcttgc 60
tcttctctcc tacctggtat tctgaacaca aaggacgaga cgatggcagg tggtccaaag 120
aaacctgtca acatcttccg gttgaaaaac cttaacgaac ccaaagaagt cttcaactgg 180
aggctatggt tctccgttct ctcattcggc ctcatgggcg ctgcccgagg tgtggatgag 240
gggttgatct cgggcgcttt caactcgaag gatttccagc ggacgatcca ctacagcgag 300
tacagccagg tcgaacagac gaacatcaag gcgaatgtgt cggcgatggt gcagattggt 360
tcggtcggtg gtgctctttt gtaa 384

<210> 18605
<211> 1077
<212> DNA
<213> A.fumigatus

<400> 18605
gaagtgccaa ccagtctgca catcatcttt gccggcctga tcttcctcct ctcctttctg 60
caatacgagt cccctcgctt cctgatcaaa aagggcaaat acgaacacgc catccgcaat 120
ctggcgcgcg tgcgacacct ccctgaggac cacgagtacg ttgtgcagga gatcacggcc 180
atcgagcagt cccaccaggc cgaactcgag gcgaccatgg gcgctggctg gctcggcatc 240
gtcaaggaga ccttttttcat cccgaagaac ctgtaccgca tctacctgac ggtcatgtcg 300
cagattctct cgcagtggtc cggcgccggc tccatcaccc tctacgcccc cgatctcttc 360
aagctgctcg gtatcaccgg gtccaacgag agcctgctcg tgaccggtgt gttcgggatc 420
gtcaagctcg tcgcagccat cacctgcgcc ctgttcctgg tcgacgtgat cggccgcaag 480
cgctccctcc tcatcggtat caccctgcag gccatcgcca tgatctacgt cgccgccttc 540
ctgaccgacg tcccggagat gggcatcgtc gacgactttg tcctgccgga gtccaagctt 600
ggcgtcagcc gcggcgccat cgccatgatc tatatctccg ggttcggctg ggcgctcggc 660
tggaactcga tgcagtacct gctcacggcg gagctcttcc cgctgcgcat ccgggccctg 720
gcgacctcca tcgccatgac gctgcacttt gccaaccagt acggcaactc gcgcgcggtg 780
cccaacatgt tgctgcccac ccagcacggc ggcatcactc ccaagggcac gttttggtgc 840
tttgcggcgg tgaccatcct cggtggagtg tgggtgtttc tcagtgtgcc cgagacagcc 900
gggcggtcgc tcgagagcat ggatcggctg tttgagctgc cgtggtacaa gatcggtctg 960
tacggaaaca aggacgccga ggagcgggat caggtggtgt cggagaagat gcagatggag 1020
gaggagatgc acgggactgc ggcgcaccag gagacggtgg agaagtcgcg ggtgtaa 1077

<210> 18606
<211> 1056
<212> DNA
<213> A.fumigatus

<400> 18606
ggccttctgg cggtcccctt tgtgctgcac tcgcagccca ccgctgtcta ccaggaacat 60
agcgagaacc tcgtggccgt agcagccgac acccatcagc gctacgcgga gatcttccgg 120
gatgttgaga agctcatcga cgaccacagt aggcctcttg ccccccctgt tctcgcttcc 180
catctaaccc tgtcagtcga ccatgaacgc aacgccgccc cgggcaagtc caaactgaaa 240
ctcctcgtcc cgaccgcggg ctctttcttc agccggctcc cgctcgaaga cgccttcaaa 300
taccaagacg caaaacgcat gatcagccgc cgtcgcttcg tcgccccctc cttcaacgac 360
atccgcctca ccctcaacac cgcccagctc ctcggcctcg tccgcgggcc cggtctcgac 420
ctcgtcacct tcgacggaga cgtcaccctc tacgacgacg gcgcctgcct caccccggac 480
aaccccgcca tcccgcgcat catccgcctc ctgcaccagg gcgtgcgcat cggcatcgtc 540
accgccgccg gctacaccga gggcgcaaag tactacgagc gcctcaaggg cctcctcgac 600
gccgtccatg actcctcctc cctcaccccc gcccagaaag acggcctggt cgtcatgggc 660

ggcgagagca acttcctctt ccgcttcgac tcggcctcgc cgcaccgcct ctcctacgtc 720
ccccgcccgg agtggctcct cgacgaaatg aagtcctgga accaggagga tatcacccag 780
ctgctcgata tcgcggagtc ttcgctgcgc gcttgcgccg cgaaccttaa cctccctgtt 840
gctgtactcc gcaaggaccg cgccgtcggt gtctaccccct acgaccggag caagatccac 900
cgcgagcagc tcgaggagac cgtcctcgtc gtgcagaata cagtggaacg atctgtcgtc 960
ggctctcgac tgccctttg cgcgtttaac ggtgcctccc cttcctccca ccccctccgt 1020
ccccttccc cagacttcct tttcacgtgc atgtag 1056

<210> 18607
<211> 324
<212> DNA
<213> A.fumigatus

<400> 18607
aactacgcag gcaagtcgcg cgacgagata gcagcggacc caatgtcggc ggcggtcatc 60
ggtatcaagg gctcgcaggt gttgttctcc gctatgggcg gcgaggacgg tctggaggcg 120
acggagacgg attgggcacg ccggcgtccc aagacggagt tctggctgga gcttcagaac 180
tatgttaacg tcctgtctgg ccgtgcttct gcgggaaagc ccttgtggtc atgctatgag 240
agtaagcact tccccagctg ttgtcgcctt tacaatactg acttgtctat agacattgat 300
ccttcggcgc tcacttcatc ttag 324

<210> 18608
<211> 864
<212> DNA
<213> A.fumigatus

<400> 18608
ctacatgcac gtgaaaagga agtctgggga agggggacgg agggggtggg aggaagggga 60
ggcaccgtta aacgcgcaaa agggcagtcg agagccgacg acagatcgtt ccactgtatt 120
ctgcacgacg aggacggtct cctcgagctg ctcgcggtgg atcttgctcc ggtcgtaggg 180
gtagacaccg acggcgcggt ccttgcggag tacagcaaca gggaggttaa ggttcgcggc 240
gcaagcgcgc agcgaagact ccgcgatatc gagcagctgg gtgatatcct cctggttcca 300
ggacttcatt tcgtcgagga gccactccgg gcgggggacg taggagaggc ggtgcggcga 360
ggccgagtcg aagcggaaga ggaagttgct ctcgccgccc atgacgacca ggccgtcttt 420
ctgggcgggg gtgagggagg aggagtcatg gacggcgtcg aggaggccct tgaggcgctc 480
gtagtacttt gcgccctcgg tgtagccggc ggcggtgacg atgccgatgc gcacgccctg 540
gtgcaggagg cggatgatgc gcgggatggc ggggttgtcc ggggtgaggc aggcgccgtc 600
gtcgtagagg gtgacgtctc cgtcgaaggt gacgaggtcg agaccgggcc cgcggacgag 660
gccgaggagc tgggcggtgt tgagggtgag gcggatgtcg ttgaaggagg gggcgacgaa 720
gcgacggcgg ctgatcatgc gttttgcgtc ttggtatttg aaggcgtctt cgagcgggag 780
ccggctgaag aaagagcccg cggtcgggac gaggagtttc agtttggact tgcccggggc 840
ggcgttgcgt tcatggtcga ctga 864

<210> 18609
<211> 219
<212> DNA
<213> A.fumigatus

<400> 18609
atgggaagcg agaacagggg gggcaagagg cctactgtgg tcgtcgatga gcttctcaac 60
atcccggaag atctccgcgt agcgctgatg ggtgtcggct gctacggcca cgaggttctc 120
gctatgttcc tggtagacag cggtgggctg cgagtgcagc acaaagggga ccgccagaag 180
gccctatcca atgagcttcc tcctgtagat atggagtga 219

<210> 18610
<211> 1215

<212> DNA
<213> A.fumigatus

<400> 18610
tgcgttccac atcaacatga atcggctaca ttgagtccat tacacccgcg acttctccac 60
cgtctcctgg tgcgccgcag tcccgtgcat ctcctcctcc atctgcatct tctccgacac 120
cacctgatcc cgctcctcgg cgtccttgtt tccgtacaga ccgatcttgt accacggcag 180
ctcaaacagc cgatccatgc tctcgagcga ccgcccggct gtctcgggca cactgagaaa 240
cacccacact ccaccgagga tggtcaccgc cgcaaagcac caaaacgtgc ccttgggagt 300
gatgccgccg tgctgggtgg gcagcaacat gttgggcacc gcgcgcgagt tgccgtactg 360
gttggcaaag tgcagcgtca tggcgatgga ggtcgccagg gcccggatgc gcagcgggaa 420
gagctccgcc gtgagcaggt actgcatcga gttccagccg agcgcccagc cgaacccgga 480
gatatagatc atggcgatgg cgccgcggct gacgccaagc ttggactccg gcaggacaaa 540
gtcgtcgacg atgcccatct ccgggacgtc ggtcaggaag gcggcgacgt agatcatggc 600
gatggcctgc agggtgatac cgatgaggag ggagcgcttg cggccgatca cgtcgaccag 660
gaacagggcg caggtgatgg ctgcgacgag cttgacgatc ccgaacacac cggtcacgag 720
caggctctcg ttggacccgg tgataccgag cagcttgaag agatcggggg cgtagagggt 780
gatggagccg gcgccggacc actgcgagag aatctgcgac atgaccgtca ggtagatgcg 840
gtacaggttc ttcgggatga aaaaggtctc cttgacgatg ccgagccagc cagcgcccat 900
ggtcgcctcg agttcggcct ggtgggactg ctcgatggcc gtgatctcct gcacaacgta 960
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gccctttttg atcaggaagc gaggggactc gtattgcaga aaggagagga ggaagatcag 1080
gccggcaaag atgatgtgca gactggttgg cacttcctac gggattggtc agctgcgatc 1140
gattctcccg cagttgctgc ttcactcacc catcgcttgt gcgtgttgtc tccgaggtta 1200
acctggcagc cgtag 1215

<210> 18611
<211> 312
<212> DNA
<213> A.fumigatus

<400> 18611
ctccaccgct acgggcgttt tggcccctgt ggtgaagagt tggatggtga atttgaacga 60
cgggagaatg agaagaagag gcggcgagag gcgaaattca agaccaagtt gcaagatctc 120
aaaaagcgca cccgagtcga agcataccgt cggaaccgtc aaggcgcagc aggagggaat 180
tttggagatg atttggggaa aggtggtcga catgtacatc aatggggtcg atctgtggag 240
gatcctgaga cgggtatagg ggtcaagaaa tgtgtggatt gtggcatgga gatcgaggaa 300
ctcgaattct aa 312

<210> 18612
<211> 1977
<212> DNA
<213> A.fumigatus

<400> 18612
tttacagcgc aacggtccaa atcccaggcc gatctcacca ccgatattga caccgaccac 60
caacttggcg tccgacagga gaacgaacgg gagaagtcgc gtctgtatct gtcaaaatgc 120
tcgcaagagg ttgcatttca cgttgtccct acttcgcatc ctgctcccga tttaaacgac 180
ctggaactct cgaaccatat gtacgcgaac cacaacatgc ctcagcagag tatagaggaa 240
gcctacattc aacagcagcg ccagaagcag cagcagcagc aacagcaggc aaatcacatg 300
atggcacgcg aggtagcact acaaaatcac cagcctattg tgactcatta ttcggacaat 360
tctaacgtgt ctcgcgctcc caatcaattc ctccccacgg tggcacgaga tatcatggac 420
aaaagtccgc tggaggcaca gcagacccac gctactgcta tagacaacag aagacaggcg 480
tttgagtcag gcttatcgga tgagcgcgct ggtgctgcga agcaacagta cgataacaca 540
caggcagcgg ctaaggagga gactcaatcc cagcaggaag atcaaataca ggatacagac 600
gggtggaact ttgatgaaaa tccggcccag gagtcccgga gtgcccacat cccacctcac 660

cgaccagaca tggatgcctt tcccaacgcg aacttcgccg ggccaaagtc cccctcacga 720
ggtggatcag tatcgcatcg aaggaagagc tctggctcca aacgtaagac cgaaggtgcc 780
acagacgtcg gagcgggagc aatacagaaa caggatccta ttttcaaagt ccgattcgct 840
ctccgcggcc acctggatgt catccgctca gtaatcttca cgggcggtgg tagcccgtcc 900
gaacccgaga tttgcacgtg cagtgatgat gggactatca aaagatggat cataccagca 960
tcgtacggtg cttatgggtc gcatggaggg agctcaggca acgatctgga tataacgagt 1020
tacttcaccc atcgggggca tgttggagca gtaactgcac tagctgcgtg ctccccgtct 1080
caaaattttt caaatggtgg ccgtgccctg ggtgacggat gggtattctc tggtgggcag 1140
gatgccagcg tgcgtgtttg ggaacgcgga cgggttgatc ccaaggccac acttgatggt 1200
cacactgatg ctgtttgggg cctttgcgtt cttcctggca cggctggtac tgtgtttgga 1260
gattcgtcca gtcactatgg aggtcctgat cggatcttgc tggcgtcggg cgctgccgat 1320
gggcgaatat tgatctgggc cgtcagtgca cctccccagg tatcgtcgcc acaggccggt 1380
tctaggcgag ctggtgggag tcggcgggct aactcgatat catctgggtc taatttccca 1440
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atacttcggg ccgactctcc ctcaccaact tgtatcagcc ctctgtctct tgcaggtgtt 1560
aatttcgtcg tttcatacac ggatgcctcg atccttgtat atgacacgag aaccggcgag 1620
gagattgtgg gcatggcgag cttggaaacc tacgatggca ctccctcgac gggagtcaac 1680
tctgtcgttg caaccaccat tggctttgat gggtctgcag gcctcgatcc tagtcggacg 1740
ttagctgatg aagaagttgt gcacggagct accggctcca gcgctgtgga aggagtaatc 1800
ataagcggat acgaagacag atatatccgt ttcttcgatg ccaatagcgg tacgtacgct 1860
gatatgcacg acttttgaa tgaaagcact gacattttct tgtcctgttg taggccaatg 1920
cacatacacg atgctggccc accccgcggc tatcgctgca ctttccttat ctcctga 1977

<210> 18613
<211> 294
<212> DNA
<213> A.fumigatus

<400> 18613
atgaaagcac tgacattttc ttgtcctgtt gtaggccaat gcacatacac gatgctggcc 60
caccccgcgg ctatcgctgc actttcctta tctcctgatg gacgtgaact cgtgtccgca 120
ggtcatgacg ccagcttacg gttctggaac cttgagaaac gtagctgtac tcaagagatt 180
actagccacc ggttgatgcg tggtgagggg gtttgtgccg tcacctggag ccgcgatggc 240
cgctgggtcg tcagtggtgg aggagatggt gttgtcaagg tcttctcaag ataa 294

<210> 18614
<211> 477
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (392),(432),(434),(443)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18614
aaaaagaaga cgcaaaagaa aaaaagtttg gctttccaag atagcgacat attagtgaca 60
acacaatttc tgctttgcac cacacggttt gtcgcaatgg gaaagggtcg ccgtatgaag 120
aagcagggcc ctccggcccc gctggacgag tcaaaaatta ccctgtacaa gaagcgcaag 180
gcaggagatg tcgaatcaaa agcagagtcg ggcaagaagc ggaggagagc cgaagatgaa 240
gaagagattt tgaaggctgt acctaagaag aaggttaatg gtgcagttaa aggaaaggaa 300
gacaaggccg tggccaccgc tgttagcaag aaagatgcga ataccaatag caaacctgcg 360
gccaaaggaa aaacctacat ttatggactc gngacgacca aaatttgtcc gatttccatt 420
acaattaagt tnanatgggc cangaatgaa tttgattact tggaatggcc tcagtga 477

<210> 18615

<211> 309
<212> DNA
<213> A.fumigatus

<400> 18615
gctcccgatt gggtaatgag cacagttgat caatcgactg tgacgacagc cctctcatct 60
tcctcctcta atcgccacca aggaaacgac acctactcaa ttcccaaaca ctccgggacc 120
acaagcacta tcacgatcac catgaacgaa gtatcattcg tcaagtctta cctctcaaca 180
ctcgactctc ggcctatcaa gctccgctcc gaccatgtct tcgacccaga acaagtaggg 240
ctacgggtcc cagtacgtct acctcccatt tcatattatc tcagccatac tcctagaatc 300
atgtactaa 309

<210> 18616
<211> 591
<212> DNA
<213> A.fumigatus

<400> 18616
tcgacacagt atactctccc ccgtctgcac gcgccccacc ccgaaatgcc caagaagacc 60
aaacaaccgc tcgccccggg ctcctcaaaa tccataactg tgcacctcaa atccgcccgc 120
aacccggccc tcgagttctc tctccccaac accgctctca ccacaacctc cgtgcaggat 180
ctcaaggacg ccgtgcgcga gcgcgtgaca gacgcccagg gtaacaagat ctccctcgac 240
aagatcaaga ttctgtacaa gcgcaaaccc gtaacaggga agaccatcgc ggaagtactt 300
gctgatgaac ctgggatgct gtctgggggg aaggaggtcg agttcggtgt tatgattata 360
ggcggggcgc aggttgctgt gagtgcgggg gcgggtgaaa gggcaggtgc cgaacagaag 420
gagagttatg agcctcccaa gcccgctgtt ggacctagtg gagagagtgt tgtggcgacg 480
gaggccttct gggatgattt gcagggcttc ttggagcaaa gattgaagga ctatgatgag 540
gcgaataagc tgagggtgct tttcaaggaa gcctggaggt cgagttttta g 591

<210> 18617
<211> 192
<212> DNA
<213> A.fumigatus

<400> 18617
tccccctctt ccccccttct cccttgtctc tccctctctc ttttcccctc ccacttcaac 60
tttccttccc ccatcttcta tttccaactc caaatattta cctccaaaac ttccaacaac 120
cttgctctcc ttcccttcat ttatctactt ctcattctaa aaaaaaaaaa aaactcctat 180
caggccgttt ag 192

<210> 18618
<211> 393
<212> DNA
<213> A.fumigatus

<400> 18618
ggttctcaga ctaacagctt cgcttcagag atggtcgaga acatgaaggt tgtggcctcc 60
tccgatgtag agctcaccgt cgaggagcgg aatcttctct ctgtcgccta caagaacgtc 120
attggagcca gacgtgcgtc gtggagaatt gtcacctcga ttgagcagaa ggaggaatcg 180
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cttgctaaga tctgcgacga catcctggac gttctggaca agcacctgat cccctctgct 300
gcgagtggcg agtccaaggt cttctaccat aagatgtacg tcgtctttat cctctctgcc 360
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<210> 18619
<211> 507

<212> DNA
<213> A.fumigatus

<400> 18619
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gaggagagag aggtcactgc attgttctct tggattctgt tgtgcttctc tcagccagac 180
agcaagcagc ctcatgaaaa ttattattcc tactactacc gccaaatagt aactggagta 240
gtaccagagc cagccagcgc cagcgccagc accagaacca gcaccagtat cggcactcct 300
gcttctcacc taccactatc tactattacc accaccgccg ccgctagtcc ccctcttccc 360
cccttctccc ttgtctctcc ctctctcttt tcccctccca cttcaacttt ccttccccca 420
tcttctattt ccaactccaa atatttacct ccaaaacttc caacaacctt gctctccttc 480
ccttcattta tctacttctc attctaa 507

<210> 18620
<211> 276
<212> DNA
<213> A.fumigatus

<400> 18620
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aaggccgccg ccgacgcctc tctcgaggct tacaagaacg ctaccgaagt cgctcaaacc 120
gacctcgctc ccacccatcc catccgcctt ggattggctc ttaacttctc cgtcttctac 180
tacgaaatcc tcaactctcc cgaccaggct tgccaccttg ccaagctcgc tttcgatgat 240
gccattgctg gtatgtcaac tctatatccg cgataa 276

<210> 18621
<211> 258
<212> DNA
<213> A.fumigatus

<400> 18621
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cagcttctca gagacaacct ggtaagtttc ctttcctttg gacgattttc tcatggagta 120
tgtcctaacg gacttagact ctctggacct catctgaggc tgagcccgct gctgagtcga 180
acactcctgc cgagaagaag gaggaggccc ctgccgctga gggcgagaag cccgctgaat 240
aaacaaggaa aaacataa 258

<210> 18622
<211> 183
<212> DNA
<213> A.fumigatus

<400> 18622
gcaggaaacg acaaggctaa accttcacag ccattctacg cggatcgtca gtttgctttt 60
tcccaggaag ccacagaccc tctcaagagt caacgacccc cgccaccatt gcggaagtac 120
catggcatct acgtcggatg tacacggatc ctcgcctatt gcaagtctac cacaacccca 180
tga 183

<210> 18623
<211> 291
<212> DNA
<213> A.fumigatus

<400> 18623
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ttgctatgga attcgatccg ccgccttgag tcgtgcatga tttctgcctt gtatatcctt 120
gcggctgatc ttgagacatg ccttacctac actttactgc cttgcgaggg tttcggatta 180
catcccgttc cgttcttggg cagccttgac tttattgtcg ttattttcac ttctttcccc 240
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<210> 18624
<211> 198
<212> DNA
<213> A.fumigatus

<400> 18624
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ttatggaatc aaggcagctg gaagaagtca tggaatattg ttgacattct gggctgcgct 120
agcgctgcct cccttaagga gatccgttca tatgcgttgt tggaaggtcc cattccgaca 180
gacatgggag gggtgtga 198

<210> 18625
<211> 192
<212> DNA
<213> A.fumigatus

<400> 18625
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tctcatcacc ggacgtatgg aatctatgtg gccgtgggct tgtttggcta tgattgggga 120
agggagggct ccgagtatat ggaatatgct cttaatctgg aagattgcag tcataagggt 180
cgctgtcggt aa 192

<210> 18626
<211> 429
<212> DNA
<213> A.fumigatus

<400> 18626
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cgtgtgccag aggaggtcct cgtctggatc attcatgaga ttcggaaaaa aagacgggag 180
agtatgtcga agacggatca aagacgactt atgaaagagg atgagcgcga agaaaaagaa 240
ctccgtgcct gcatggcttc cgcactggcc gcggagatca acaaccttat ccctcgggaa 300
cagacaagtg gtcggcctgg cgagcaaaag acacctgctt caatgcagga cactccggta 360
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ggccggtaa 429

<210> 18627
<211> 300
<212> DNA
<213> A.fumigatus

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gaagacgtta gccctacagc ctccaagata tatgctaaga tcgtgaatat aaagaagggg 120
aaagcagaca ttatgcagtc cagagagccc tcccatgcag gctcatggta ctctgacaat 180
cgaagcactt tgacccgcca actggaccag tggctcgccc atgtccccaa cgaaatcgag 240
ggaatcggct ccctgcccgt acctggctcc cgagttatca ttgccccgta tgtatcatag 300

<210> 18628
<211> 891

<212> DNA
<213> A.fumigatus

<400> 18628
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cttgacactg agcttatcgc taagcttctt tcggcaaaag cagtcaaacc gaacgggtca 180
acagtcagtt ttacaacgat gacccggtcg gtcgacgagg acgaacacag tattgagctt 240
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tatccgcccc tggtaccaat cctggtcgga agcacttctg catctacaga gcaagccttt 360
ggagctttgc tggcttctta cttggaagat ccttccaatg tgtttgtgat tagctccgat 420
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ggaccgaagc ttccccttcc cgccgatgct ctgcctcagc cgagcaatga tctggatgag 540
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aacagtcgtg agtcagcgat tcatgagagc atttctgctt tcgatatcgc aactatggct 660
gccatagcta caggagagac cgagaatttt cttgatgtca tacagagaac aggtaatacg 720
gtatgcggcc gtcatcccat tggggtgatc atggccgcca ttgaagcaac caggacccag 780
gaggacggga agaagggcgc cttccatttt attcggtatg agcgtagctc ggacgcagtt 840
aatgtgactg acagctccgt gagctacgtc tctgcgtttg ccgtcttgta g 891

<210> 18629
<211> 276
<212> DNA
<213> A.fumigatus

<400> 18629
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ttctcaactc atttcggcgg cgaggttccc tatagcaaga attgggtctt tccctcagat 120
cttctctggt atgacagatg gcaagagatt ctgaatctcg ggccacggtt cattgagata 180
gtcacctgga atgactacgg agagtcccac tacatcggac cattgtcctc gcctcacaca 240
gatgatggtg cctccaaatg ggtgatggat atgtag 276

<210> 18630
<211> 282
<212> DNA
<213> A.fumigatus

<400> 18630
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ctcttttccc agatgatgcc gtcgtttgac tctaatgttc ccgtggcctt tgctgaaacc 120
cgatcgattt tagttcctga ctggaacgtt tccatctgtc tgggcgccaa aataaacctg 180
gctattggga ctgcccttaa gcatttgaga caggacactt cagcccaaaa agagcgtctt 240
gacaagattc gtgtgatacc gttgcaacca ttggcctcat ga 282

<210> 18631
<211> 558
<212> DNA
<213> A.fumigatus

<400> 18631
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aaagcattgg gaatagatgc attcgctttg aacattggcg tggatccgta cactgatacg 120
cagctcaatt ttgcctacga atcagccgcg agaaatgaca tgaaagtctt catctcattt 180
gatttcaatt ggtacaacac tggacaagcc actgccgtgg gacagaagat cagacaatac 240
gccagtctac ctgcacagct caaggtagat ggtaaggtct ttgcatcctc atttgccggt 300
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aattttcatc caggggtggg agacttcaat gctatccaag gtgcacttaa ttggatggct 420
tggcctaaca atgaaaacaa caaagcgccg accccagatc ataacgtgag cgttgcagaa 480
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gaagctccca acctttga 558

<210> 18632
<211> 633
<212> DNA
<213> A.fumigatus

<400> 18632
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atgtccaaac ctttcattgc tgcttataag gccggcgaaa agtccgccaa caattacatc 120
accgaagaca agttgatcta ctggtataga ccaactccaa aggacatcaa ttgcgactca 180
acggacacta ccatgcaggg aaatccaaac aactcaagcg gaaacttctt ccgcggacga 240
ccaaacgggt acgagtcaat gacagatgag gtgtttgttg tctcattgct caaatcaccc 300
gctactgttc aggtgacttc agggagcagt agcaagacgt tccaagcaca ggccggtgcc 360
agcgcctttt cagcacctat gggcgtcggc aaacagcaat tttcactcct gcgcaatgga 420
caaactgtca tgtccgacac gagtctgaaa gacattgtcg acagctgcat ctgcggcatc 480
tacaacttta acgcctatgt gggcaccgtg ccaccggaaa agactattga caagctccaa 540
ccagcgggac tgtcaatgct gtatcaggga ctgacagtgc catgtccgac taacactcta 600
ggactcagta gccctaccgc caccgctcaa tag 633

<210> 18633
<211> 462
<212> DNA
<213> A.fumigatus

<400> 18633
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aatacttggt ccctaaccta tctccttcca accatccccg ccgaattctg ggactgcatt 120
cgtgcagttg aactgcgctg ggcgttccca ggccactggc tccccagtaa agaccctgtc 180
aagacagtct atttctccgc tggacgccag cagtgggtcg agacctgccg cgccctgacg 240
cggatgaagg gcctgcagtc gttcacacta cagctgatgg ggaactggtt ctgcgaaccg 300
gtggagaaga tccctgtgtt tctagagcca ctgagggagt tgagtctgaa gaacaggtgg 360
aaattgcagt tgccccggca gccgtactat atcaaggaga ttcggaatat cgacagagat 420
ctgcgccaga ggggcattga ctgttccgtt cgagctgcgt ga 462

<210> 18634
<211> 1047
<212> DNA
<213> A.fumigatus

<400> 18634
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gatggatata ccccttgat gattgcattc tcgcttgttc gtcctactta tgccaaaatc 180
ctcatcaagg ccggggccga ccagaccgtg cgcgacaaga agggctgcaa catccttcac 240
cacctgttct gcggtgtcag ctccccctcg gtcgagaggc tggatgactt ccagaagatg 300
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gccaatgaag tcgccagaag actagttgcc aaggatctac aggagaatca aaatttcggc 960
ggtgcagcca gaaggagaag atgggacaag catgacgaaa gagaatttgg cgatgaggtt 1020
cgggaatggc ttccagaggt gttttag 1047

<210> 18635
<211> 2865
<212> DNA
<213> A.fumigatus

<400> 18635
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tttacggttg gacagcggga tcttactgtg gcgatgcagc tgggacgagt ccgctgcctg 2820
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<210> 18636
<211> 276
<212> DNA
<213> A.fumigatus

<400> 18636
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tttgatgagg ttgaagcttg gggtctatgg tttgcggagg gtaccgcgcc tttgacagag 120
ggatattttg aggggttgga gacgataggt atacagagaa tcgacactaa ctctcgtctt 180
tacatggatg atgaaactat catctcagtg tttacggatg atatactatt cctctattat 240
tgtaaaggca aggagcatgc taataatctg aattaa 276

<210> 18637
<211> 1284
<212> DNA
<213> A.fumigatus

<400> 18637
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cgggaagctg cctggcgctc tccacagctc gtgttcgtcg ggatccacaa atttggagat 180
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tatttcacca agcaaaacat ggccgacagt tacaccctcc ctgccgtccc cgcgaagcac 360
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aaacagttcc agacgaactt caacctgttc tctgagagcg ccctcagtga tctcgactgg 720
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accgaacatt acgagtggcg ctga 1284

<210> 18638
<211> 324
<212> DNA
<213> A.fumigatus

<400> 18638
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ctgttgcaga actgtgcaat cattactgaa gaggatatta ttatttcgct acttgattgt 120
tgtaatcctg ctttgaaatc ccgtgttaac aaccccatcg gtgtcccgat caccctagta 180

tccggctgtg aatttgtcga atcccgcagg cgtaccctgt acacgggact aaaaaatata 240
ttcaatcagt acaacacgct cattgccatc cctcacccgt tcgtcatcat tcctgttttc 300
atgaagtcca ctatgcccga gtag 324

<210> 18639
<211> 222
<212> DNA
<213> A.fumigatus

<400> 18639
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cagtgtatta ggatctgcgc ctcgggccag aagcttcagg gccacggatg gctgatcttt 120
gaggacactc aatatgatag gctgggttac gttagcatcg aatcttctct tcacttgctc 180
ggaggagttg ttccgtattc catcgatgtg cacctgcgct ga 222

<210> 18640
<211> 297
<212> DNA
<213> A.fumigatus

<400> 18640
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atccatgtca ccgcttccgt tctcgatctc cgccagcgcg tcgtcctcat ccaccatttc 120
ctcgtcttcc tccatttcca cctcgtgatt cggcagaacg tcgatgcgtc cttcgcgcat 180
gaccacccgg gcaacctcgc cgtcctggat actgccacgc aggatgagaa cggcgagttt 240
gttgaggacc tcgcgctcga tgatccgcgc cagaggacgg gcaccgtacg ctggtga 297

<210> 18641
<211> 936
<212> DNA
<213> A.fumigatus

<400> 18641
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<210> 18642
<211> 579
<212> DNA
<213> A.fumigatus

<400> 18642

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aacgaccgag aggatgaggt ggtcaatggc aacgtagctg tctttttgcg tcttggacag 540
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<210> 18643
<211> 438
<212> DNA
<213> A.fumigatus

<400> 18643
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<210> 18644
<211> 513
<212> DNA
<213> A.fumigatus

<400> 18644
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<210> 18645
<211> 471
<212> DNA
<213> A.fumigatus

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gccggcgcaa acgcacgcga agatcggcgc ccctcgtct gcgtcccctg caactggtac 180
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gatgtgcggg tgatcgagaa cttgtggcgg gatcggttcc tgtggattcg ggagaatgag 300
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gggatggtgg agcggttgtt ggggtgggtg aaggggtggg gggatgaggt ggaattttgc 420
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<210> 18646
<211> 231
<212> DNA
<213> A.fumigatus

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ccgtcgtcca tgagctgcag aagaacggtg agcacctcct tggctgcctt ttcgacttcg 180
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<210> 18647
<211> 507
<212> DNA
<213> A.fumigatus

<400> 18647
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<210> 18648
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<212> DNA
<213> A.fumigatus

<400> 18648
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<210> 18649
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<212> DNA
<213> A.fumigatus

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<210> 18650
<211> 486
<212> DNA
<213> A.fumigatus

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<210> 18651
<211> 366
<212> DNA
<213> A.fumigatus

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<210> 18652
<211> 420
<212> DNA
<213> A.fumigatus

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<210> 18653
<211> 1305
<212> DNA
<213> A.fumigatus

<400> 18653
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<211> 216
<212> DNA
<213> A.fumigatus

<400> 18654
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<210> 18655
<211> 366
<212> DNA
<213> A.fumigatus

<400> 18655
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<210> 18656
<211> 1074
<212> DNA
<213> A.fumigatus

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<210> 18657
<211> 1635
<212> DNA
<213> A.fumigatus

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tggaaacagt gtcctgtgag actcccatcc gttgcctctg cggaaacctg catcgaggct 780
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<210> 18658
<211> 489
<212> DNA
<213> A.fumigatus

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actatgtaa 489

<210> 18659
<211> 402

<212> DNA
<213> A.fumigatus

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gttcaaacgg aacgaggtta ctccggacca gcgggaagaa gcagggagcg aggaagaggc 180
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ggcagatcga ggaggggcac aggcgtggag ggagcgtcgc gcaaaagcgg aactgagacg 360
gagagagctc atattgatct gggattaggg aattcgcaat aa 402

<210> 18660
<211> 573
<212> DNA
<213> A.fumigatus

<400> 18660
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ctctgcatca ggttgggctt gatagcatcc ttcatcaagg cggccaaggc tcctccagcg 180
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tgcggatcaa tgtcaaggcg cgcaaaacgg cggatttctt cctcggtgag atcgtcaggg 480
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<210> 18661
<211> 252
<212> DNA
<213> A.fumigatus

<400> 18661
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acatgcctgt cccgctgctt ttcaaagtat gccttggccg aagtaacgac gttctttagc 120
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tcaggcttgt ag 252

<210> 18662
<211> 810
<212> DNA
<213> A.fumigatus

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<210> 18663
<211> 615
<212> DNA
<213> A.fumigatus

<400> 18663
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<210> 18664
<211> 471
<212> DNA
<213> A.fumigatus

<400> 18664
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<210> 18665
<211> 705
<212> DNA
<213> A.fumigatus

<400> 18665
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<210> 18666
<211> 2463
<212> DNA
<213> A.fumigatus

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<210> 18667
<211> 438
<212> DNA
<213> A.fumigatus

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gccgcccacg gcactgtcac tcgtcactac cgtgagcacc aaaagggccg tgagacctcc 180
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gtcaacgagg agggcatcat gaccaaggac ctggctctgg cctgtggccg caaggagcgg 360
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cttaaggcca gactgtaa 438

<210> 18668
<211> 195
<212> DNA
<213> A.fumigatus

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gacggcctat tctag 195

<210> 18669
<211> 213
<212> DNA
<213> A.fumigatus

<400> 18669
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accatcaccc ccgatgaagc ccgtgtcgag gaattcaagc tgaagaagag tatgctgtgc 180
cacctcactt cattcgaacc attctctaac tag 213

<210> 18670
<211> 345
<212> DNA
<213> A.fumigatus

<400> 18670
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<210> 18671
<211> 411
<212> DNA
<213> A.fumigatus

<400> 18671
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accgtgacca ggtccgcaga cacttcgcgg acaaggctcg tgagaaggag cttctgggta 360
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<210> 18672
<211> 621
<212> DNA
<213> A.fumigatus

<400> 18672
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<210> 18673
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<212> DNA
<213> A.fumigatus

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<210> 18674
<211> 195
<212> DNA
<213> A.fumigatus

<400> 18674
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<210> 18675
<211> 723
<212> DNA
<213> A.fumigatus

<400> 18675
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<210> 18676
<211> 720
<212> DNA
<213> A.fumigatus

<400> 18676
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<210> 18677
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<212> DNA
<213> A.fumigatus

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<210> 18679
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<212> DNA
<213> A.fumigatus

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<211> 651
<212> DNA
<213> A.fumigatus

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<210> 18681
<211> 1056
<212> DNA
<213> A.fumigatus

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<211> 888
<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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<210> 18684
<211> 1077
<212> DNA
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<211> 198
<212> DNA
<213> A.fumigatus

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<210> 18686
<211> 231
<212> DNA
<213> A.fumigatus

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agctcgggcg actgcccctg caacggaccc cagtcctgca cctgcagcaa caactgtgct 180
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<210> 18687
<211> 342
<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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<210> 18689
<211> 396
<212> DNA
<213> A.fumigatus

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ctaatcatca cagtcaaagc ttttgctttt gcaatgctgg attgtgcgac gtctgcccag 360
aagcaaggta ttgagtccac ctgcgtcaat gagtga 396

<210> 18690
<211> 231
<212> DNA
<213> A.fumigatus

<400> 18690
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gtgaaggtca tttttcaagc tatctgtttg agacacgcca gattgacaag aacaggtcta 180
caagcaaatc cgccgatccg tacagcgctt cgaagcctac attcaaattg a 231

<210> 18691
<211> 186
<212> DNA
<213> A.fumigatus

<400> 18691
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agcgcctacc aaatcttcct ctccccgctc catgtccatg ccattgagtc actcttctgg 120
ccaacttata agcttcagaa actgaatata ttcgagcaaa gtttctccgt ctctatcatc 180
aattga 186

<210> 18692
<211> 336
<212> DNA
<213> A.fumigatus

<400> 18692
cttcatccct ggtgccaaca gcgagtcatt gaagcatatt gcaagagaaa tggcattgtc 60
gttgaagcat attccccgct cgtgcgaaac tataaagcca acgacccaac gctggtcgac 120
gtggccaaga agtacgaaag gacgacggca cagattttga tacgctacgc gctgcaaaaa 180
ggatgggttc cgttgcccaa gagcgacacg cctgagcgga ttgtggctaa tgccaatgta 240
ttcgattttg agattggtga ggaggatctg gcggtattga atggccttga tcaaggaagc 300
gctggtgcta ttgttgaggc cgtcgaaaat gagtaa 336

<210> 18693
<211> 651
<212> DNA
<213> A.fumigatus

<400> 18693
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acaatgtctt caaaactcac catcacggac ttactgcctc ttcccaattc cgacgtcaaa 120
atcccccgcc ttgggttcgg tgtctaccgc tctcccaccg gccaatgtgt tcagtcatca 180
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aaggaggtcg gggaagctct ccgcaagtgc ggcatccctc gcagtgacgt cttcgttact 300
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tctggttcgg ccggtcggaa agagctctgg caggccttgg agaggcttct ggaggaaggc 480
aagacgagga gcatcggtgt gagcaacttt ggggtgaagc acatcgagga gatgaaggca 540
tatgccaagg tctggccgcc gcacgtaaac cagattgagg taagctctat ggtcgagaag 600
ccctttcaag tagattcaga ttcgttatgg ccagaacctg aggtacactg a 651

<210> 18694
<211> 270
<212> DNA
<213> A.fumigatus

<400> 18694
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aagactgtac caatatggtg cgccgtcatg aatcgtgcgc ttttcccatc cgatgctgca 120
tatcatgcag tacagcttcc gccgaattat ctcggcgcct cggaggagtc gcagattgaa 180
cgccgaattg atggtttcgt gaaatcgctc aaggtactct tttccgtcta ccatcactgt 240
actcttttaa gcccagcaac tttagattga 270

<210> 18695
<211> 855
<212> DNA
<213> A.fumigatus

<400> 18695
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gactacaacc ttttcgttct ctgctctgcg tccaaacgtg ttcacggagc agaagtttcg 180
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ggtctctatg acctcgtaat cgattgcaat ggcagacctg aggcctcaga aggagaccca 480
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ctcgataagg ttcgagcttt tgtcagttct cagctcgcca ccgatccttc ccgatcactc 600
ctagttacct gtgaaactgg taaagatctc tccgctggtg ctctgcttgc tatcatatgt 660
ctattctaca atgatgatgg tatgccaccc ttccgcacat tttcttgtct tccctattgc 720
tttcatcacc tcgtttctca ttctttcctt tttctaacgg ttcttaggat cgttcacaac 780
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<210> 18696
<211> 1650
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1353)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18696
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gggaggcgga tccagatgac gaatatcgga gcggaggata ttgttgatgg caatcggaag 180
attatcctgg gtttgatatg gacgctcatc ctgagattca ctatcagcga catcaacgcg 240
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ctcctcgata tccaccgacc agatctgatc gatttcgacg ccctggacaa gaaggatcac 420
cgggggaaca tgaagctagc gttcgatatt gcgacaaatg aaatcggtat ccctgatttg 480
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gttgagaaat tcatcaacaa tatgcacggt gcctgggaga tgcagaactc atacgaacgg 660
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<210> 18697
<211> 447
<212> DNA
<213> A.fumigatus

<400> 18697
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cacaattttc agttcgcgtt tgctgatagg gtcgcactta cagtgattgg gtccacgaca 180
gatatgacga cgacagagac agtgcgtttt gaacctggct tcgtggcgat tgtcacgggg 240
gattttcttt tcattccgct cgtttgtttt aacacaggtt tctttcagca cgccctgctc 300
gtggttcccg acgtccacgc ggtgaccgtt actccccatc gcccgatcgg tatgtctggc 360
ttggatttac tgctgaagcc ctttgtggtc atggcggcta actcctgcag cagcgtctcg 420
accgcggggc aagaagatta tgcgctg 447

<210> 18698
<211> 417
<212> DNA
<213> A.fumigatus

<400> 18698
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cgagggatac gagtggagcc accaacgagc acaatctcat cgacctggct cttctcaagg 120
ccagagtcct tgagaacttg ctgtactggc tcgagcgtgc cagagaaagc cttggcgttg 180

agatcctcaa agcgggcacg agtgatagac gagttgaaat cctctccatc gaacaaagag 240
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gttctcaaac ggcgaagagc tctggcatcg cctgagagat cctttccagt cttcttctgg 360
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<210> 18699
<211> 612
<212> DNA
<213> A.fumigatus

<400> 18699
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aatcatctgt tcgatttcag tggtggagag cttgccaaca gcgttggaga tagtaatatt 180
ggcggaacgg ccagaagact tctccgtagc ggtgacctta aggataccat tgacatcgac 240
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aaggggaacg acatccagaa gcagcaagtc ctgagtttca gccgaggtgg ccttaccaga 540
aaggatgcca gcttgcacgg cggcaccata agctacagct tcatctgggt taatgctcta 600
cgccataatt ag 612

<210> 18700
<211> 369
<212> DNA
<213> A.fumigatus

<400> 18700
cttgaggaca tgaccggaga cgttggagga ttgatgccaa ctaaccttct caagcttctt 60
accatcgaaa aagtcactga gcagcttctg gattcgaggg atacgagtgg agccaccaac 120
gagcacaatc tcatcgacct ggctcttctc aaggccagag tccttgagaa cttgctgtac 180
tggctcgagc gtgccagaga aagccttggc gttgagatcc tcaaagcggg cacgagtgat 240
agacgagttg aaatcctctc catcgaacaa agagtcaatc tcaacagttg tctgtgtagc 300
gttggacagt gtacgcttgg cacgctcgca ggccgttctc aaacggcgaa gagctctggc 360
atcgcctga 369

<210> 18701
<211> 264
<212> DNA
<213> A.fumigatus

<400> 18701
gagatccttt ccagtcttct tctggaattc cttcttgaag tgttcaagga ggttggtgtc 60
aaaatcttgt ccaccgagat gagtatcacc ggctgtggcc ttgacagtga aaacacctcc 120
ttggatgttg agaagagaca catcgaaagt acctccacca agatcataga tcaggacatt 180
acgctctttt tcggattttc cggagccgag tccataggcg atagcggcgg cagtgggctc 240
attgatgatg cggagaacat ttaa 264

<210> 18702
<211> 207
<212> DNA
<213> A.fumigatus

<400> 18702
ttcgtgatat accttcatca agaccataga agagatttcc tggggagaaa atgtcttggt 60

ttcacccaaa tattcaacct cgacaacggg gtttccgccc tggtcaacta ccttgaaagg 120
ccacgactca atatccttct tcacgatagg atcttcataa cgtcgaccaa tgagacgcct 180
aggttggtca gtaagagaac ttcttga 207

<210> 18703
<211> 282
<212> DNA
<213> A.fumigatus

<400> 18703
gtgaggacca agcaagtctc ttgccatgtc tacctctccc attcaagaag ttctcttact 60
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gagtcgtggc ctttcaaggt agttgaccag ggcggaaacc ccgttgtcga ggttgaatat 180
ttgggtgaaa ccaagacatt ttctccccag gaaatctctt ctatggtctt gatgaaggta 240
tatcacgaac tacctggtat attatcgatc gtgcatagtt ga 282

<210> 18704
<211> 768
<212> DNA
<213> A.fumigatus

<400> 18704
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ccagcttatt tcaacgataa tcaacgtcag gcgacgaagg acgcaggtgc cattgccggt 120
ttaaatgttc tccgcatcat caatgagccc actgccgccg ctatcgccta tggactcggc 180
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gcctgcgagc gtgccaagcg tacactgtcc aacgctacac agacaactgt tgagattgac 480
tctttgttcg atggagagga tttcaactcg tctatcactc gtgcccgctt tgaggatctc 540
aacgccaagg ctttctctgg cacgctcgag ccagtacagc aagttctcaa ggactctggc 600
cttgagaaga gccaggtcga tgagattgtg ctcgttggtg gctccactcg tatccctcga 660
atccagaagc tgctcagtga ctttttcgat ggtaagaagc ttgagaaggt tagttggcat 720
caatcctcca acgtctccgg tcatgtcctc aagctaatta tggcgtag 768

<210> 18705
<211> 531
<212> DNA
<213> A.fumigatus

<400> 18705
agcattaacc cagatgaagc tgtagcttat ggtgccgccg tgcaagctgg catcctttct 60
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cccaccatca agaagcgcac ctttacgact gttgtagaca accagacgac cgttcagttc 240
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attactatct ccaacgctgt tggcaagctc tccaccactg aaatcgaaca gatgattaat 480
ggtacgtcta ctgcgttgtc tcactgtgtt cttacaagga aacaaaccta a 531

<210> 18706
<211> 336
<212> DNA
<213> A.fumigatus

<400> 18706
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tctctgaagc tcaagcgggg caacaaggaa aagatcgagt ctgctctaag tgacgctatg 240
gctcaacttg agatcgaaga ctctgcccct gaggattaca agaagaagga actcgccctc 300
aagagactca tcaccaaagc tatggccacc cggtaa 336

<210> 18707
<211> 450
<212> DNA
<213> A.fumigatus

<400> 18707
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tcagggttat actcagggtt gctaatgata ttttcgtccc agcacgtgaa gccgatcacc 120
tcagcgatcc tttcttccga tttgtcttta acgccacaac ctgaccctca taatattctt 180
caactgaata tatcgatccc gccacccacg aaagaattac gggaacagac agtggttgct 240
gctagagcgg ccatggaaaa ggcagctggt gcagttcgcg aatcgaggag tgttagtcat 300
aagcgccttc aagatatgca gaagaagaag ctagccaggc cagatgacgt tcgcaaagct 360
caggaccata tggaacggct gacagagaag ggacagaaag aggtgaaaga attgtttgat 420
gctgcaaaaa gggcattaga acgagtatag 450

<210> 18708
<211> 918
<212> DNA
<213> A.fumigatus

<400> 18708
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<210> 18709
<211> 1296
<212> DNA
<213> A.fumigatus

<400> 18709
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<210> 18710
<211> 192
<212> DNA
<213> A.fumigatus

<400> 18710
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ttcggtattc tcgagtccac gcggactggt ctcatggccc tgcctcgttc tcctctttct 120
tctgagccca gcgaagagct tgagaaagag gccgccgatg ttgtcgatgc tagcaccctt 180
cctcctggtt aa 192

<210> 18711
<211> 636
<212> DNA
<213> A.fumigatus

<400> 18711
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ctggtgcaga atgagcccgg tgtgctgtct cgcgtgtctg ggatcctggc cgcccggggc 180
ttcaacatcg acagcttggt cgtttgcaac accgaggttg aggatctgtc ccgcatgacc 240
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gacatcagca ccaacaactg cattgttgaa gtgtaa 636

<210> 18712
<211> 600
<212> DNA
<213> A.fumigatus

<400> 18712
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tctcaattcc atatttcaac ctcattcacc atggcttgtg gtctgaaact ggctgctgcc 120
cgattcggcg cattgaacgg ccaacacttg cgtcaacgtg tctccctcaa tggcttgcga 180
caatattcgt cccagaccac ccctcctatc tctcctttcg cacctcgcca ttttctctcc 240
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gtgcggatgg gaggccaccc gatgtttctg ggaaaagatg acatccaact gggtgttatt 480
gggcccctat acgccacggc agtgggggtc tcttcgatgg tctcttggca tcgtggctcg 540
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<210> 18713
<211> 189
<212> DNA
<213> A.fumigatus

<400> 18713
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ggccactaca agtctagaat gcgtcggaag ttccacactg ctgcgcggcg acaattcatt 120
ctgctgttta aaaaagcttg tctacgcatt gtgaatgcga cttatttcat taaaccccga 180
gcaggctaa 189

<210> 18714
<211> 195
<212> DNA
<213> A.fumigatus

<400> 18714
agagagcaca agactacagg gattacttct gttatcgcgt ctttcttgcc cgtcaagcta 60
catcataaca ccaccgacac gaatcttcac aagcctcttc ccttcccgtc tttcattttg 120
ctcacttttc cttctcattt ctgtttctat tctgctacgg ccgccttctt tagcctggat 180
ttttgcgcca tttga 195

<210> 18715
<211> 681
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (172)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18715
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cgtcacccgg ttttggttga cgaagtgatc cacaagtccc cacgccggag tgtttcttct 120
gctcttcagg ttttacgcaa ttaccaatcg actctgcaaa actcatttcc gntaggcggc 180
aatcctgagt cggactatgc ctacaaccgt gtccgacagc cgctggggaa tctgctggat 240
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cagaacaaca tagagcggga ctctgcatat gatgaaatct gcaaggcatg gattctggta 420
atccgagagg cggcaaagcg tggtggcgga attcagctac agtatggtgg atgggatcag 480
aaattggcga aacataacca gaatgcgggc ggtcgacttc aggctgccgt taacgagctt 540
ggtaacagct tgggttggat gcacggccca gactcccaag gctatggaag ttcgaccggt 600
ggggatcttg tctcggtccg agaacagtta ctttccggca cttacggttt gggaactccc 660
gtcaaggttg gaccctggta a 681

<210> 18716
<211> 342
<212> DNA
<213> A.fumigatus

<400> 18716
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attaactact ccgttccttt ccaggtgccc cctggagtct cgaagacgcc ccggttgcct 180
gtcgagatga atccggatgg tatcggttac gatgctctga aaagagctct gggaggttcc 240
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gactatcaca gcaagggaat tcgggccaat gtgaaaatct aa 342

<210> 18717
<211> 792
<212> DNA
<213> A.fumigatus

<400> 18717
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ggccacggca atcgagctgg aagctgggcg cagattgccg gatccatgac gaaggttcag 180
tgccaaccaa aggaaacact gcactatctg tcgcctatgt caatgtcatc tgtttctgga 240
tccaagcaga gtcacagcat tgatggcgag aatggcgcga gagccatgaa tttctccggg 300
gcaccactct caccggagat tgctgaagcc aaagcgggcg tcgtacgtat ttacggcagg 360
gtcaccaggg aggcgatccg cttcgtcacc acccgtatcc acgagggtcc gctgcaggag 420
atccgcattg agacaaacga aaggaccaga gtcaccttcc agtatgcttc tcacgcactt 480
gcctttgtga agtcaaacca ggacatggag gaaatgctcg gatacgggcg ctttggcacc 540
ggctacactg tcgagatggc cgagatcatc aattggaacg atgaacaccg tcggatgaac 600
cagcccatcc gagagcgtcg gcgcctgtcc ttcgcgagaa agaggttgtt tgccgataat 660
atgtcgccgg agaaatggaa gtcggacgtt cgtgccgtcg ctggactcgg caacatcgac 720
tttctctggg tttttaactc tggaaacggt gagtttcatg ttataggttc cttgtataca 780
catgaaggct aa 792

<210> 18718
<211> 255
<212> DNA
<213> A.fumigatus

<400> 18718
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ctttttaccg gtgtctgcac atatctattc tcttatacaa tatcagccac catggtgcgg 120
atcggctctt cacttctcct ggccactctg gctgctacaa cagtctcggc tgcctccgac 180
cctccaaagt gcagccagga ctctcactgc cctgaagaat ggccttgctg ctctcgtaag 240
ttcaagacta cctag 255

<210> 18719
<211> 654
<212> DNA
<213> A.fumigatus

<400> 18719
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cacgagtaca ccattgactg gaaacccgac gccatcacct ggtctgttga tggtgaggtg 180
aagagaactc ttaaaaagga atccacctac aacgagacca gcaaacaata catgtaccct 240

cagacgccct ccagaatgca gctgtccctg tggcccgctg gtcaagccag caacgccccg 300
ggtaccattg cctgggccgg cggtgagatc gactgggata gcgaggacat caaggacccc 360
ggttactact acgccacctt tggcgaaatc accgtcgaat gctacgaccc tcccagtggc 420
gcggatatca agggcaccaa ggcatacatc ttcaaggaca aagccggcct cgaaagctcc 480
gtccaaatca ccaacaacaa aaccgtgctc gcctcctttg gcgctactgg acttgacatg 540
gacgttggcg ccagctcttc cgcttcggga tctgcgaaca agaccagcag cagcgccaac 600
actgttccct ctggcaatgg tggctctgga aacgagccct ggcaactccc atag 654

<210> 18720
<211> 330
<212> DNA
<213> A.fumigatus

<400> 18720
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gaaatcacgc aaacggcaac attggccgcg ggctgcttct ggggagttga gcatctcttc 180
cgcaagcact ttggcaatgg aaagggcctg ctcgaagcta aagtaggcta ctgtggtgga 240
tcaacgtctt ccccatcgta tcgcgctgtg tgcactggaa ctactggtcg tatgttgcct 300
ttccttggga cttgttggtc aaagttatga 330

<210> 18721
<211> 354
<212> DNA
<213> A.fumigatus

<400> 18721
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ccctcggtcg tcagctacgg ctccctgttg gaattcttct accgcatgca tgatcctaca 120
accaaagacc gccagggccc tgacgtcggc acacagtacc gcagtgcgat cttcacgcat 180
ggcgaggagc agcacaagat tgcggaggaa atcacggata aagtctccaa gcagtggtac 240
aagcaacctg tctcaacgca gattatacct gcaggccagt ggtgggatgc cgaggagtac 300
caccagcttt acctaaccaa gaacccgtcc ggctacgaat gtcctgctca gtaa 354

<210> 18722
<211> 222
<212> DNA
<213> A.fumigatus

<400> 18722
aggctaacaa taaacatagc aactgctgtg ttcacgagca ccgctgttgc tcgcagagtc 60
ctggaggcct tcaacaagtg gaaggacacc cgtgctgtct acagtggcgt ttcagtgact 120
tactcctcgg atccctgcga aaaggagttg gttctggtca atgatacagc acggtccggc 180
tttgcgaaga acttgaactt cgcgaagaaa tcgatgcgtt ga 222

<210> 18723
<211> 534
<212> DNA
<213> A.fumigatus

<400> 18723
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ggcaagacct acaaggactg gtcgaacctc gacaatcttg cttcgaacac caaatacctg 180
ggcgatgcga gcaaatccga ctgggtctac agcggttatc ccaaggttga ggatggaaac 240
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tggtacggca agattacggc caagattaag agcagccgtg gcgctggtgt ggtcactggt 360
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accaatgttc agactaacta ctacttccag ggtgttcttg actgtaagtt caactgtgga 480
tcccggacca tggttttctg caatttaact cacatatgtt ttttcttttt ctag 534

<210> 18724
<211> 654
<212> DNA
<213> A.fumigatus

<400> 18724
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gtaccattgc ctgggccggc ggtgagatcg actgggatag cgaggacatc aaggaccccg 180
gttactacta cgccaccttt ggcgaaatca ccgtcgaatg ctacgaccct cccagtggcg 240
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tccaaatcac caacaacaaa accgtgctcg cctcctttgg cgctactgga cttgacatgg 360
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ctgttccctc tggcaatggt ggctctggaa acgagccctg gcaactccca tagcggtagc 480
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agcgagactt ttgcttcgag caacaaaaac gctgctccgt ctcagaacga gcgagtcctg 600
aatggttcct tctttgctgt tctggttgcc gttgttgccc tggtcaccct gtga 654

<210> 18725
<211> 216
<212> DNA
<213> A.fumigatus

<400> 18725
cctctaaacc atcacaaggt tacttatagc accttccatg taacaaacaa gcagaaaaca 60
gtccgtaaca cctggccatc cttccatgac ccttccatac atattgtgga acaatcctac 120
attccaacag acatcatatg gacgccatat ctgcgacaca gtcagattat tctatccccc 180
ctgatgatga acattgccgg ctgcatcgta ttgtag 216

<210> 18726
<211> 507
<212> DNA
<213> A.fumigatus

<400> 18726
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gtttctcacc aaacctcacc aaccgcttca cacctcgact ctcacttttc gatattacag 120
tcacaataca ccaaccacag aatgaagcct ttcacagccc gatccgcttt tacagcctca 180
gtgctgctcc tcaccaccaa ccttccagca gtcttcgccg ccgaaatggt aagccagggc 240
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tactgtcaac aactctgcat gaagaccagc aacaatcttg tctttgcctt gacgaaggga 360
tcgaactgtc tctgtggaaa tcagctgccc gcaaagtcgg caaagacggc tgattccgat 420
tgtaatgtca aatgcgctgg ttggcctgat gtcatgtgta tggtcttctc tataactttt 480
cgcggttctg ttgccgtgct gacttga 507

<210> 18727
<211> 483
<212> DNA
<213> A.fumigatus

<400> 18727

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aaaaggcccg gagatgaaga cttatatgcc gaaaaagatg cccattcatc gctcgcggga 180
tcacccgcac agtcggccat ggatgtgaag ggcacagcga tcgacattcc gtatgcagag 240
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acactgctgg cagaggttga gaatccgaag acgtatcttc gaaaaacgaa gtggtttatc 360
acattcattg tcgcgctggc aggatctaca gctcccatgg gtagctccat actgtttcgt 420
aagtcgctcc cagctcaaat ggccaaccca cttgttgatg cgctctcctt gtcggcgaac 480
tga 483

<210> 18728
<211> 1233
<212> DNA
<213> A.fumigatus

<400> 18728
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gcatcggcat cagttcaagc agttggggca gggacgatag cagatctgtg ggatccgcat 180
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aatcgaaagc agcctcatgg cgatgaacaa gcacccgttg aacaacaact cagtcggatg 420
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tggaggaagt cgatggatgc cgtgagtcac tag 1233

<210> 18729
<211> 582
<212> DNA
<213> A.fumigatus

<400> 18729
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tccaacgttg cgtactacca cgatgatgat gcgtctacca gcgccaacgc caactccagc 120
tcaacatcaa cgaccaacgg cgggtcgact gtgactactg gcagtcaggg tcaagtcgtc 180
acgcaagggg agcagacagt cgtcgtcaca gcaccagcag gcaatggggt gggcgcaaca 240
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tttggcaagc ccatgtcgca agattctatg tccgattcga gattcgatgg cgacttcatg 480
gcacaaaggc gacaaagcaa tggtagcatt gatgatgatc aagacttttc ccgtcgtata 540
ttacaggtga ggctcttcag ttccgcgctt ggtatatcct ga 582

<210> 18730

<211> 207
<212> DNA
<213> A.fumigatus

<400> 18730
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gcttcgaatg tcaccatatt cgtcaagagt ccccgcgatc gtgagatgac cggccccgtc 120
acgcacgtgc aattgattgt ttcgggctat ctcgtagaat ctgttggctt cctggacggt 180
tcgccactgt ctcggtcagc tctgtag 207

<210> 18731
<211> 1194
<212> DNA
<213> A.fumigatus

<400> 18731
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aagcgcgagg atgggcatgc ggtggttcgg attgtgacct catgggcaac ggattctctt 1140
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<210> 18732
<211> 321
<212> DNA
<213> A.fumigatus

<400> 18732
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acattgcaga atatgtacaa aaagctaatc atggacctgt tcaatcacct ctgtagtgcc 120
cccttcaata actgcacttc gattacaggc gtcttcaaag gcaccaaagg tcggctctgc 180
ctgatgtgct cactcaccca tcgtatatac gcggcaaata ttcctagctt gatcagcggt 240
accgctttct ggcttgtccc aattctcagc caagaactcg cgacccgcgg tgaaaagacc 300
gttggaagct ttcatggctg a 321

<210> 18733
<211> 1416
<212> DNA
<213> A.fumigatus

<400> 18733

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ccatgtcgtc gctgtcaacg cgcgaaacgg accgactgtc agttgacgga cacttattct 180
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tcgggaccga caaccgctct caatagccca ccgttacctc ctgaaccgca accagaccgt 300
ccatcaccat ggtgcgctga gaatcccgtg gaggccttac cttcatccac aatcattgcg 360
gcgtgcgaga cctaccgcaa gaaattcccc gtcgccaatt tccttcacta tccatctctg 420
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cgatacccgg ccaccagtgc gcaggcgcat gttgcgttgg gatacggcga gttgttcgca 1260
tacatcaatc tggtctattt catgaggtac ctccctgact ctcttccgag gcttgcccat 1320
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ctcatgccga cttgctccat gattcgcagc ccttga 1416

<210> 18734
<211> 273
<212> DNA
<213> A.fumigatus

<400> 18734
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gatggacacc gtgatcctag taacatgttt cctgggatcc tgagcttctt ccctaatata 180
ggctcatttt acctatttca gtttctggaa ggtcttgagg ttcaccaagc ctctacgaac 240
acaatagtta tctcagagtt gccagcgctt tga 273

<210> 18735
<211> 183
<212> DNA
<213> A.fumigatus

<400> 18735
acacgtagaa accgggttat gcacaaagcc atcaagccgc cgcccgcttg tgtcaagcaa 60
caagatacaa agactcagaa ctccgaggct gtgagaccaa ccatgacagg taaaaatccc 120
cgagtgacac agatgcaagc agaaaaccaa gacaacgagt tgatttttct tttgagtgga 180
taa 183

<210> 18736
<211> 1401
<212> DNA
<213> A.fumigatus

<400> 18736
gctctatctt ggtttgcccc cttgaccagc aagctggcac gggatactaa taggtggaca 60
ttctctcaag atatccggtt tgctgtgcgc gcagaagtcc agcatcgcga accatttgtc 120

gcattcttta gttacttgcg gtccaagttc gacaggatca ctagttccaa atccaacacc 180
acactgtcca ttctaattgc gcttctgtcc atcgcattca tgcgcgcatt gttcttgcct 240
agtctccctc aatcgattcc agatctggtg aaattgtcaa gctttgcgcg atcgtttgag 300
cctctcatat actactctga gaatggagta cagcagattg gaacgctgca ggagaccggt 360
gttgctgtct gggatctgag tgaatccgtc cgcggtacca atatgaccag cgcgccgatc 420
attgtgcgcc agctagacga actgtccgag tctctgaaaa cattgtcgct ggagctaacg 480
cgctttttcg ccaatgtcga ctccgatgtc gactctattc tgatagtcat ggactgggcc 540
aaaagagagc tggagacttt atcgtcgcaa cctccaagtt ctctgccgtc cattgtcctc 600
gacaatgtgc atgatctctt atcacgacta ggtacgctgg agcggacaga cgctccaagc 660
ggtgaggcaa ccagcagcca gctgacaacc accccaacca catttggccg cgtcgtgacg 720
gccgtattgg gtcagacttc cgcccagcgc acacaggcca ctctcatgcg aaccttcacg 780
gaattcctat ccgtgcttga agagtcgatc aatagtgaat tgacccattc cactgcgcta 840
tttgccctct ttgaatccat agatcgccaa tttctcaatc tgcagcgtac cgttgtgcgc 900
gagtcagacg cccaagaacg tgccgagggg gagatgctga gctccctatg gactcgagtt 960
ctcggtcctg atgccgctat ggttcgtaaa tatgagaaga acaagcgcct gttagccaat 1020
gtgcgcagcc gcactgtcgc caacaagcat ctcctgatgg atcaccgcgg ccgtcttttg 1080
acactgaagg tcaacttgga gaccctgcga cgaaagctgg tcagtcccct tgtccgccga 1140
aatgattcgg tgagctttgt tggtgctgtc gagggaggca gcgggcgcag tcacggacgg 1200
atgctcgggc cggtcgaagc ggtcattgaa ggccagatcc gcgggttgga gagtacatac 1260
gattacctcc gatctgtccg agaaaagcag aaagccaaac tcatggaaat ggtatatgga 1320
agcggtcgca aaatcccatc accgtcaatg ttaccggacg gatcggacga tctagggtca 1380
gataccattg aaggggtctg a 1401

<210> 18737
<211> 555
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (529)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18737
ggcggaaaaa ccaacgtgag tctacagtcc ctagaggctt gcggacgtcg ttcatgcagg 60
agctcagaaa tgtcgtcatc aacgacttcc acacccgata agaagctaat ctacccggaa 120
tccttaggct acggctctaa aggcgaaagg ctcgtggcgg gtgtcgtccc tctttctcat 180
gacaaaacgc gggtgctcat gattcagtcc gtaggaagtg gtggctgggt cctccccaaa 240
ggaggatggg agacagatga ggcactagcg caacaagccg cttgcagaga ggcttgggaa 300
gaggccggtg ttatttgcac ggtccacaag gatttgggat tgattcctga tatgcgcccg 360
tcctccgttc tgacgtcaag tgcccccaag gcctcatatc agttttttga ggtgacggtc 420
gatcgtgaag aagaccagtg gccagagatg cacaagcgga aacggcaatg ggttacctat 480
gcacaagccg ctgccgctct tgcaagccga cccgaactct tggaggctnt aaatcgcagt 540
tctctgaaaa gatag 555

<210> 18738
<211> 240
<212> DNA
<213> A.fumigatus

<400> 18738
atgaataccg cacaattagc gaccccggat caacctgtaa tatctaatgg ctcacagtac 60
acccataaca ggcttcctgt acctttggct tctatgtatt atagcttgga catctcgcag 120
aattcacgag ttggggctag tcccctagtg cctcgccttt cgtcagaggt tattctgcat 180
tcgtacttca tgattaacag catggaatgc aaagaccatg aaggtgattg tatcatgtag 240

<210> 18739
<211> 783
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (183),(192),(279)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18739
gactttatcg ccaaaatgga ttatgagatg gatattgagc ccactgggcc ccaggtgacc 60
gtgagagagg tgtgttcgag ctgtcttcgg aagaatgttg aatcaagcag ctcttcaaga 120
gaggacgccg ttgatgggtt ttttcaggcc gagccatacc gtgtcgattt caaactcagt 180
tcngtcgatt tngctttcgc caactccttt cgccgagtaa tcttcgccga agtcccaacg 240
atggcgatcg acctggtcga ggtcgaaaag aacacctcng tactccccga cgaattcttc 300
gcccacagag tgggcctcat cccactcaat tcgaaaaact gcgaccagga tgtcgagtac 360
acgcgcgact gcgactgtga ggaccactgc gcgcgctgca gcgttacgct cacactgcat 420
gcgcgctgca caggcgacga gatcatgccc gtctatgcgc gggatctggt cgtcagcggc 480
gagcgcgcca acgagtgggt gggggaccct gttatcacgg atccggaggg aaagggccct 540
ctgatctgta agctgcggcg ggggcaggaa ctcaagatga cctgtgttgc gaagaagggg 600
atagccaagg agcatgcgaa gtgggcgccc actgcggcgg ttgggttcga gtatgacccg 660
cataataacc tccggcatgt ggattactgg tacgaggagg atcccatcaa ggaatggtat 720
gttctgattt ttcgtttctt tttcgggctc gtcccatttt tacgctgcaa aagcagtcgc 780
taa 783

<210> 18740
<211> 456
<212> DNA
<213> A.fumigatus

<400> 18740
tttttcgttt ctttttcggg ctcgtcccat ttttacgctg caaaagcagt cgctaatgat 60
ctacccaggc ccgtctccgc aaacgccgcc tgggaacacg ccgcgccccc cgaccaaccc 120
ttcgactacg acgctcaacc aaacaacttc tacatcgacg tcgaaagcat cggaaacctc 180
gaaccggaca tgatcatcca gcagggcatc gtcgtcctcc aacgcaaact agccaccgtc 240
atctcctccc tctccggcgc cggcaacggc ggccgcaacg gcctgcctga agacgaggac 300
atgttgggcg tccgcagccc cgacgcctac gagccgccag aaggcatgga cggtggattc 360
acagcgtacg ccaacggcgg tacgagtgcc tggggagcca gcgcggcaac tccctacggt 420
gcgacgccgt acggtggcgg tgggtacggc ttctag 456

<210> 18741
<211> 324
<212> DNA
<213> A.fumigatus

<400> 18741
cctcccccat tcgcggctct tctgccacgt ggtgaaaacc agaccgtggg ttcggccaag 60
gaatcgctcg gcaacttgat cggaaacgat aatctgcgcc gcgagggcca ggagcaaaat 120
gcgagcggca aggcacagga ggcgaagggt caactgcagg attggggtga gggcgctgcg 180
gaccgggcta agggggctct cggatcagtt ggtgctgcgg tcaaggggga tcgcaccgag 240
gaggataatt ggagggatgt gcatgacgag gggaaagtca gacatatagg cgctgaggtc 300
gatatggaga agagatatga ttaa 324

<210> 18742
<211> 936

<212> DNA
<213> A.fumigatus

<400> 18742
tcgagatgtg tattcttcca cagaaatctc atgacgagtg gcggttcgtc cgtcatcaga 60
cattcaggca caacgaaatc gaacgtcgag ctgatcaact cgttacgagc gaatttccag 120
gctgcgcaac agcttgctgc cgcggctgag gccgaggcaa aacccacgga gagatacaag 180
gcatggacgt cgatgcaaga tgatgcgctt tacattcccg caatcgactt ctcgcagcat 240
gggctagcag aggagaggtc gcagtacgat attacagtga aactgttcta tctacccgga 300
atcccggtgt cgagacggtg cgcgcatacg cggcaggcga ttgatctggt attgaaagag 360
ctacatgtgg attctatcga cctgcttatt gtttccttcc ctgggattct gttcgacgcg 420
gaggatgaca gcgagggaga ggtgtcgtcg gatgacggaa gcgaggagcc agatgacttc 480
gacagtatca ttcagtcgtg gaggacactg gaggggctgc atgagcaagg catgattgct 540
cagctgggtg tggcggagtt tggaagcgac aggctcgctc ggttcctacc acataccaag 600
gtcaagccgt cagttgatca gatcaacctc aaggactgct gtgttgtccc caagtcattg 660
attctctatg cgaagcaaga gaatatccaa ctgcttacgc ataacgactg caatgatatt 720
ctgccagtag gcacgacacg ggagctgctg ggtccaggcg agaagggcgc tggaatcctt 780
gcgtccgctc cagatgccga cgacgggatc aaaggcgatg ttgagccaca atgggtggtc 840
aagtacacgt cggtggtcaa agaccgcgga gtggtggaga acaaggggta ttttgcgcta 900
gctgacgtag gcacttgtat ccagacgagt tcatga 936

<210> 18743
<211> 186
<212> DNA
<213> A.fumigatus

<400> 18743
gtagactctg cgatcatgta ccgcaatgaa aaagcctgcg gtcgcgcaat ccagaactct 60
ggtctcgatc gctccgaagt cttcttcacg acgaagatcc cgccaggctc gatggggtac 120
gagcgcacaa agcgcgcagt tgacgctagt ctgcaagagg ccgaggtgga ttattttgat 180
ctgtag 186

<210> 18744
<211> 630
<212> DNA
<213> A.fumigatus

<400> 18744
actctgcgat catgtaccgc aatgaaaaag cctgcggtcg cgcaatccag aactctggtc 60
tcgatcgctc cgaagtcttc ttcacgacga agatcccgcc aggctcgatg gggtacgagc 120
gcacaaagcg cgcagttgac gctagtctgc aagaggccga ggtggattat tttgatctgt 180
aggtacctcc cggtacatgg ccccgacgca tgcactgagt catacgacag aatcctcatc 240
cacgctcctt acggcggcaa ggacgcccgc cttggctcgt ggcgcgcact agtcgaggcg 300
caaaaagctg ggaagacacg ctccatcggc gtatcgcact atggcatcca tcacctcgac 360
gaattggaag agtacatcaa gggtggcgag ggccggggca agatcgacgt tggacagtac 420
gagctgcacc catggctaga cagatcggag atcgtcgagt ggctaaagaa acgcgatatc 480
gtggttgagg cgtattcgcc gctggcgcac gggtatcggc ttaacgagct tatcttgaag 540
actttgggga agatacacgg caagtctcct gcgcagatca tgatccggtg gagtttgcag 600
aaggtgagcg ttctatctgt ttatatttag 630

<210> 18745
<211> 243
<212> DNA
<213> A.fumigatus

<400> 18745

cgcaaaatac cccttgttct ccaccactcc gcggtctttg accaccgacg tgtacttgac 60
cacccattgt ggctcaacat cgcctttgat cccgtcgtcg gcatctggag cggacgcaag 120
gattccagcg cccttctcgc ctggacccag cagctcccgt gtcgtgccta ctggcagaat 180
atcattgcag tcgttatgcg taagcagttg gatattctct tgcttcgcat agagaatcaa 240
tga 243

<210> 18746
<211> 189
<212> DNA
<213> A.fumigatus

<400> 18746
gagaagtatg attggatgag cggcttgctc gaagcattta tgatctatac ccacgactct 60
gttgtctatt tgagctatga gaaaatcaac atacacgtgc aatcattcgt catcattgaa 120
gaaccaggat attgcgccac gctatatcgc acaatgcaac gaagaaaaat gtgtactttg 180
caagaatag 189

<210> 18747
<211> 510
<212> DNA
<213> A.fumigatus

<400> 18747
gactatctcg ttcttcccag cacagaagcg agacatcaag ttgacgtcct tcgacagaat 60
ttggccaaag acaatgatta ctactcttac tcttcgagga tccatcctga ccgagtcatt 120
accgaaacca acgctacgga ctcctatcag aatgtgcttt tctctctgct cagattcaga 180
tcgtacgtcg gagcgtatcc gagaaagatc accgttgtta cgcacgaatt caagcgccag 240
cggttcatgg agtgtcattt tccggctctt ggattgaggg ctggaggcca agcttcgtgt 300
cctggagctg tcgttgggat caatcctccg gaagaagtaa cgcctctcgc gtcgctgata 360
tcaggggaag agaagagtgg gattggcctg tggaggctgg atccgtatgg tgtcggcgaa 420
gagctagctg cgaagagagt taaacgagga tggaagcctg gcaaaggaag ccgaactgtt 480
tgttgggacg aagttggacg ctgtcgttga 510

<210> 18748
<211> 849
<212> DNA
<213> A.fumigatus

<400> 18748
caacaatctc gaacgatggc ttcaacggac ccatacacac cgcctcccct cccttctccc 60
ttcacgaaca caacccctcc accgcaattg ctcacccaag gcgccgaagc gcacctctac 120
aagaccgtct tcctctcacc ctccacccca gctgctctga aggtccgccc gtcaaagccc 180
taccggcacc cgattctcga ccgacggctc acgcgccagc gcatactgca ggaagctcgg 240
tgcctggtaa aactcgtccg ggaaggcgtc aatgtccccg cggtgctggc gctggattgg 300
gagggccaat ctggcgaaaa ggggttcggc ggggcctggt tgatgatgga gtggattgag 360
ggaatggtgg tgcgcgtcgt actggagcgg tgggagaaat acatgaagcg gaaccaggcg 420
ggcctgggcg cggaggaatt ggaaaaggaa gaagcgcggg tccgagattt gatgaagaga 480
attgggcacg cagttggagc gctgcacaaa gccggcgtta tccacgggga tctgacaacg 540
agcaatctta tcctgcgacc gcctactcgt gcggagcagc aacccgccgc tgacgagaca 600
aatccgtcta tggaggggga tgttgttctg atcgattttg gcttggccag tcagagtctg 660
caagacgaag accgcgccgt cgatctatac gtgcttgaga gggcgtttgg tagcacccat 720
cctcgtactg agccgctctt cacagaggtc ctcagcgggt ataaggaaag ctacaagggc 780
gcaagctctg cattgaaacg attagaggaa gtacggatga gaggccgtaa gagaagtatg 840
attggatga 849

<210> 18749

<211> 216
<212> DNA
<213> A.fumigatus

<400> 18749
gcccccatca agtgggagcc cgtcgacgtc acccccatct tgaaggacgg aaagaccact 60
atccccgaag aggccatcaa aagcgtgcag aagaactatg tcgctctcaa gggtcctctt 120
gctgttagtc aacctcgcgc ccttgcggtc cacataagta taatactaag atggaatctt 180
gcagactcct gttggcaagg gtcatgtttc ccttaa 216

<210> 18750
<211> 219
<212> DNA
<213> A.fumigatus

<400> 18750
gccgcctgtg tctccctccg cctcgtcctc ttcgctttct tcttgcgccc catccgaccc 60
ttcctcgtcg ccttcttcgt ttgccccggt ctcctcggac cctacgtctt cttccccggc 120
accggatcct ttacgagctt caatctcgac ttggagtctc atcgaacggg tgcctcgcgt 180
tccttggcga gcattgcggg ttccttttct gcctcgtga 219

<210> 18751
<211> 753
<212> DNA
<213> A.fumigatus

<400> 18751
gatggaatct tgcagactcc tgttggcaag ggtcatgttt cccttaacct tactctccgt 60
cgtactttca acctgtttgc gaacttgcgt ccctgccgct cggtcgccgg ttacaaaact 120
ccttacgaca acgtcgatac tgttctgatt cgtgagaaca ccgagggtga atactctggc 180
attgagcacg ttgttgtcga tggtgttgtc cagagcatca agctcatcac cagagaagct 240
tcggagaggg ttctccgttt cgccttccag tacgctcgtt cggtcaacaa gaagaaggtc 300
cgtgttgtgc acaaggccac catcatgaag atgtccgatg gtctgttcct caacactgcc 360
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tgcctgaaga tcgttaccga tcccactcct tacaacgaca aggtccttgt catgcccaac 480
ctgtacggtg acattctgtc cgacatgtgc gccggcctga tcggtggtct cggcctcact 540
ccttccggta acattggtga tgaatgctcc atcttcgagg ccgttcacgg ctctgctccc 600
gatattgctg gcaagggcct cgcaaacccc actgctttgc tcctgtccag tattatgatg 660
ctgcagcaca tgggtctcca cgagcacgct gctcgtattc agaaggccac cttcgacacc 720
ctggctgagg gcaaggtatg ttcaatcccg tga 753

<210> 18752
<211> 402
<212> DNA
<213> A.fumigatus

<400> 18752
aagagaaccc aaggagctga atcctatcgt cgccgaccac ctcttctggt tcctgttccc 60
ccgcccctgc ctccttttg tctggatttg gtcgtctgcg cacgtgtgct ccttgtagtt 120
ggtgagccgc ctgtgtctcc ctccgcctcg tcctcttcgc tttcttcttg cgccccatcc 180
gacccttcct cgtcgccttc ttcgtttgcc ccggtctcct cggaccctac gtcttcttcc 240
ccggcaccgg atcctttacg agcttcaatc tcgacttgga gtctcatcga acgggtgcct 300
cgcgttcctt ggcgagcatt gcgggttcct tttctgcctc gtgacggtgc tggggacgag 360
cgtggttcta taaccggaca agaattagaa tcatgcgagt ag 402

<210> 18753

<211> 276
<212> DNA
<213> A.fumigatus

<400> 18753
ggaaagtaca cagtcaccct gattgagggt gacggcatcg gtcccgaaat tgcgcagtcc 60
gtgaaggata tttttgctgc cgcaaaggta aagcttgttc ttcttgtttg ccctcgcgcc 120
gaagaattga ggactaaaat agttgtaggc ccccatcaag tgggagcccg tcgacgtcac 180
ccccatcttg aaggacggaa agaccactat ccccgaagag gccatcaaaa gcgtgcagaa 240
gaactatgtc gctctcaagg gtcctcttgc tgttag 276

<210> 18754
<211> 1947
<212> DNA
<213> A.fumigatus

<400> 18754
caacttctcc ttgaagattt gaatgagggg ctctttaaga gccatctcaa gctacacgtg 60
gaagatgcag acccattacc ccaactggat aatatcgaag gacataactt tttcctcttc 120
gatcagccgg cagagtcggt cacagatgcg ttcagtgata cccaagtaga cgataacctt 180
agccaccaga acaatgatat ctctgaagct gggtctgata gtatctggac ccttgaaaac 240
ttgcaaaata ctacaattcc tgagattgca cggcgatcat gggagaggta ccatgatcga 300
tcgtctctcg agccgatgtc cgcttatttt agcgagtccg gtgggaaagg ctttgattcg 360
gctttgacac gccagtactc cagaaatgga tctaaagacg cgggacgtgt ggctcggaat 420
gatgtcttct tccatgctct attcaggctt ggactaggct ggaactccgt attcttccgt 480
tacaataagc agcggaaagc gtttgaaagg gtatctgaca acatccgcgt ctctggggtc 540
agcctcgccg ttgtcaatgg tctgactgag gaagtcctcc gctgtggtac agctatgtac 600
aacttaaggg attttgcacg ccggactcgg atcaaacccg agggattctc tgctcgatct 660
gcttttgcca gtgctgtggc aatgatcatc tacacactgg agaagcaaat aattaactat 720
ttcaaggaag tctcgtccct cattcaaatc atgacacttt ttcagcggtg tggtgatctg 780
gttggtgcgt tatcgaacat agtcgaagcg gtccagaaag ctgcgtcaga tgcgcaagta 840
atctctgctg tcattgagaa ggcggctcat tattccgaag ccttcggctc tatggaaaat 900
ctttttcgtg aacttgttgc tcgtgtgatt gcaccttggc tccagtacgt ggaagcttgg 960
gttggcctgc gcactgagac gcccgcgtta gtggatttgg ctgcgaagag tgaaggcttt 1020
gtggccgtag agcgatacga gggtagagca ggttcgagaa gcatgaaagc atcaagtttg 1080
caatatcgtt atcatcccga gcaaatgccg acctttatcc ccgcggagca agcagacttg 1140
atattcgaga ctggtcgaag cttgcggcta ctcagaagat accatcctca acatccaatc 1200
gcaaatgatg cgatccttac caaagattct cccaatttgc gatgtgcggg aagttggtcc 1260
gacatcgaga gaatccaaaa gaaagcccag caatatgaga ctcaactccg ctcagaaatc 1320
ctcaaataca gtcagggcca acgcgtgggg caagtcgaaa tggacaaagt actcgcagaa 1380
gaacaaatgc agaagtttgt ttctgccgga gacgatccag ctatctctcc tgctttcgag 1440
ctcttcgaca tcgatgattc caagcacacg accgggttgc ttgcaagtga ctcttcctta 1500
gaaaacgacg aactaggacc attgttcgac gcaagtacgt tggaggtgtc tcgaccaatt 1560
catccacaca gaaagaactt tggaccagaa atgatatccg ctgtctccct ttctctggcg 1620
cctctactgt cgtcccaggc tttactcgtt gacttttcct gtcttcatct cttattcaag 1680
gaacacaaat taagatacca cctcaccttg cagtggcgat tccaactgtt aggcgatggc 1740
ttctttgctt cgcgcctctc gcactcactt tttgatcctg aaatggagag tggcgagcgt 1800
agatcaggcg tcgtacgaag cggcgtgcat accggtttgc gcctaggaaa tcgtgacact 1860
tggcctcctg caagctccga gttgcgactg gtattgatcg gccttctcgt cttcaccacg 1920
gggctggacg gatccgagct taggata 1947

<210> 18755
<211> 411
<212> DNA
<213> A.fumigatus

<400> 18755
cggatacaga tggtgagaaa tttttataat gactactcgc atgattctaa ttcttgtccg 60
gttatagaac cacgctcgtc cccagcaccg tcacgaggca gaaaaggaac ccgcaatgct 120
cgccaaggaa cgcgaggcac ccgttcgatg agactccaag tcgagattga agctcgtaaa 180
ggatccggtg ccggggaaga agacgtaggg tccgaggaga ccggggcaaa cgaagaaggc 240
gacgaggaag ggtcggatgg ggcgcaagaa gaaagcgaag aggacgaggc ggagggagac 300
acaggcggct caccaactac aaggagcaca cgtgcgcaga cgaccaaatc cagacaaaaa 360
ggaggcaggg gcgggggaac aggaaccaga agaggtggtc ggcgacgata g 411

<210> 18756
<211> 267
<212> DNA
<213> A.fumigatus

<400> 18756
tcagacagga ctcccattat ccagattgcc ttctgtagct cactgtcttt ctcaggacag 60
tgctatgtta caatgccacc taagaaaaaa ccaaagctgg ctgatgtcca agccgaatct 120
gtgcagccgg ccgccgatac acctgccagt gagggtgcgg gcaagccaga aaatgggcac 180
gacttggtgt cggatccctg gactgacgag caggagacag ctctgctgaa ggggattatc 240
aaatggaagc cagttggtaa gttctga 267

<210> 18757
<211> 786
<212> DNA
<213> A.fumigatus

<400> 18757
acataccttg ccctcagcca gggtgtcgaa ggtggccttc tgaatacgag cagcgtgctc 60
gtggagaccc atgtgctgca gcatcataat actggacagg agcaaagcag tggggtttgc 120
gaggcccttg ccagcaatat cgggagcaga gccgtgaacg gcctcgaaga tggagcattc 180
atcaccaatg ttaccggaag gagtgaggcc gagaccaccg atcaggccgg cgcacatgtc 240
ggacagaatg tcaccgtaca ggttgggcat gacaaggacc ttgtcgttgt aaggagtggg 300
atcggtaacg atcttcaggc aagagttgtc cagcagctca gcatcaaact cgatatcggg 360
gaactccttg gcaatttcgc gggcagtgtt gaggaacaga ccatcggaca tcttcatgat 420
ggtggccttg tgcacaacac ggaccttctt cttgttgacc gaacgagcgt actggaaggc 480
gaaacggaga accctctccg aagcttctct ggtgatgagc ttgatgctct ggacaacacc 540
atcgacaaca acgtgctcaa tgccagagta ttcaccctcg gtgttctcac gaatcagaac 600
agtatcgacg ttgtcgtaag gagttttgta accggcgacc gagcggcagg gacgcaagtt 660
cgcaaacagg ttgaaagtac gacggagagt aaggttaagg gaaacatgac ccttgccaac 720
aggagtctgc aagattccat cttagtatta tacttatgtg gaccgcaagg gcgcgaggtt 780
gactaa 786

<210> 18758
<211> 798
<212> DNA
<213> A.fumigatus

<400> 18758
ggacgaagac gacactgtat caaatgcttc ctcggggctg ggtatgcact atctccccac 60
attttcaggc ccctctttat caccactatc aaatgggtgt caagtactaa tatctcctta 120
gtatacaaca tggcgcagct ctctctttct acggagtcta tctctaccct gtcctctgag 180
atgtctcatt tcggaggatc acgatccgag agcttcggta cttcgtactc tgaagacgag 240
gatgcggacc atttcgtgca tgacgctgca gccagtgtct acgacagttt gaaagatggt 300
gtcacatcgg acgttgtgca gttggaatta gtcagtttgc ggatgactgc gaatgcctcc 360
gaccaccagg tccgacgagc tgttgtcaca gcgttcatga agcgaaccca acaactgatc 420
gaaggaggaa aaggtgccgg tgaagcgatt agggaccttt ttggtacata tcgcgaggtt 480

gttgaacggt gtatgttcga tcgagacagc gacgagaaaa ccgaccaggt cgacttctta 540
ctcctgctcc aacaagacct tgtacatcgg cctcgcggtg agacagtcct actcttcgct 600
gctaaggagc tatacgattt ggagctcttc gaggaggaag cctatgagca gtggtgggct 660
gatgagcggt caagtgccag cgaagagatg aggcaggtgc ggagtcagac ccaacaattc 720
gtggattggc tcgccaatgc cgaggaagag gaaagtactg aagaggaaga aagtgaggaa 780
gacagcgatg aggagtga 798

<210> 18759
<211> 993
<212> DNA
<213> A.fumigatus

<400> 18759
cgcgagcctt gcagatacca aacgctgttg atgcggactt atgttgatga caaagagaat 60
ctcaagtggt gcccggcgcc aaactgtgaa tacgcagtcg actgtcccgt caagcaacgc 120
gacctcaatc ggatcgtacc cacggtacaa tgtgcttgta agcatttctt ttgtttcggc 180
tgcacactga acgatcatct accgtctcct tgcaaattgg tcaagatgtg gctcaagaag 240
tgtgaagacg actcagagac cgccaactgg atttcggcca acacgaagga gtgtcctaag 300
tgccattcga cgatcgagaa gaacggtggt tgcaaccata tgacgtgccg caaatgtaag 360
cacgagttct gctggatgtg catgggcttg tggtctgaac acggcaccag ctggtacaac 420
tgtaatcgct atgaagagaa gtccgggtcg gaagctcgct cagcacaggc gaaatctcga 480
gcatctctcg aaagatacct ccattactac aacagatacg ccaaccacga gcagtctgcg 540
aagctcgata aagatctcta ccttaagaca gaaaagaaaa tgacaagcct acaatctcag 600
tctggtctct catggattga ggttcagttc cttgatactg catctcaggc acttcagcag 660
tgccggcaga ctttgaagtg gacttatgcc tttgcatact atcttgctcg gaacaacctg 720
acggaaattt tcgaggacaa ccagaaagat ctagagcttg cggtggagag cctaagcgag 780
atgttcgaaa agccggtacc tgaattggcc aatctgaaag ttgacatctt ggacaaaacg 840
gcctactgca acaaacgccg agtgatcctt cttagcgaca ccgcccagaa attgaagcaa 900
ggtaagctct attcattaca taatgttgat gcatggcata aagctgacaa ccatatctct 960
tcaggggtat ggtcattcaa tgttgaatgg tag 993

<210> 18760
<211> 714
<212> DNA
<213> A.fumigatus

<400> 18760
cttgcacgac cttccacccg tggtgaagac gatcactacg cagctcgagt gaggaatctg 60
aaagcatacg acgcagtgag taaggatatt atctccagat ggacgtatcc actgtgcccg 120
gacacaaatt tgcttcccgg acacacctat gatcttcgca agggcaatct gtatgcagaa 180
cagggcgtta ctttggcgcg ttcatgcgtc gttggacgac aaacagtcat cggaaaaggc 240
acaagcattg gtgacaagac gacagtcaaa aacacagtcc ttggtaggga ctgcaaaatc 300
gggaaaaatg ttacattgga cggtgcatac atttgggatg gtgtggtgat tggcgacggc 360
acaacggttc ggcaggctat cattgccgat aaggttgtgg tcggcaagaa ttgcagcgtt 420
aagcctggcg ctcttctctc atatgaggtc agaatcgctg atggtgtgac cgtgagcgaa 480
ggcagaagaa tcacaaaggc gtcgagagag gaagacgggg gtctaccagc taatgacctg 540
gatgttgtcg gtgagggagg cgaaggtcac gaatatttcc aagaggaaga tgaggacgaa 600
gacgacactg tatcaaatgc ttcctcgggg ctgggtatgc actatctccc cacattttca 660
ggcccctctt tatcaccact atcaaatggg tgtcaagtac taatatctcc ttag 714

<210> 18761
<211> 258
<212> DNA
<213> A.fumigatus

<400> 18761

ggaagagctg ataatcctgg ttcggcaggt ccggcgcatg cagtgtactt cggtacttac 60
gaggttgtca aggagatggc cggtggaaat gtcgacgagg gccaccatcc gcttgctgcc 120
ggtaagtgct caaatagtaa ttctatcgac gcaggaaaga atactgacat tctccaagcc 180
gctagtggag cggcggccac cattgccagc gatgctctga tgaacccatt cgatggtaag 240
tcatcttcga tggactga 258

<210> 18762
<211> 210
<212> DNA
<213> A.fumigatus

<400> 18762
cacctggaaa tagtcatcaa gcaacggatg caagtacatg gctccgtaca taagagcctt 60
ttacaatgcg ccacgtccgt ttaccgcgcc gagggtctgc atgcattcta cgtctcatac 120
cctactacac ttctgcatga cggtgccttt cacggctact caattcgtgg cgtacgagtc 180
aatctcgaaa gtgatgaacc catctcatga 210

<210> 18763
<211> 954
<212> DNA
<213> A.fumigatus

<400> 18763
atcttcacca cgcctcctct aacgagaaaa aggaaggcgg ccgaggcggc gattacagac 60
caggaaccat ccataaccgc caccgaggtt tccgtcgctg attcacgaac cgccaccggg 120
aaaacctcgt caaacaagag acctactcgc agaagggaca agctgacgga ccaagggcct 180
gacgcagatt cggtgtcggt ggcgtctgca agcatcaccg tccagaacaa gcagaaggca 240
accgatctcg tcacaccagc ttccaccagt atggattcag acgatgattt tatgacggat 300
gcgtccagtg ccgatgattt cttggataca cagggtagtg aagatgagag tctaggagaa 360
ggtatgttgc agcgattttc cgtttcatac tctactgacg cggtctttct tctgctacta 420
gagttcggtg acgagttcga cggcggattt tctcaagata aggatctatt agggaacaca 480
aagaagccat acgaagtcga cttcagagtt ctgagtccag aagatatcga tcgggagcag 540
agtcagcagg tcaacgaggt ctcgcagatt ttgggcctgc ccccggagtc gtccgcgatc 600
ctactacggt ttgggagatg gaaccgggag aagctcatag agtcctacat ggaccacccg 660
gaggagacgc tcgaggaagc tggtcttggg acgaactttg acatgacacc gaagacagag 720
gttgtaccag ggttcatgtg tgacatttgc tgtgaggatg gcgacgattt ggagacatat 780
gctatgcgct gcggacatcg cttctgcgtt gactgctatc gacattatct tgcccagaaa 840
atccgcgagg agggcgaagc tgcgaggata gaatgtcccg gggatggctg ccatatgatt 900
gtggattcaa agtccctgag tcttctcgtc gccgatgatc tgaaagaaag gtaa 954

<210> 18764
<211> 468
<212> DNA
<213> A.fumigatus

<400> 18764
tcatcaagca acggatgcaa gtacatggct ccgtacataa gagcctttta caatgcgcca 60
cgtccgttta ccgcgccgag ggtctgcatg cattctacgt ctcataccct actacacttc 120
tgcatgacgg tgcctttcac ggctactcaa ttcgtggcgt acgagtcaat ctcgaaagtg 180
atgaacccat ctcatgaata tgacccgttc acccactgca tcgctggtgg cctcgctggt 240
gccttcgctg caggtcttac tactcctttg gacgttgtga agacgcttct tcagacacgt 300
gggttggctc agaatgagga gattcgatcg gcaaggggcc ttttcaatgc ggcggccatc 360
attaagcgcc agtttggctg gagaggcttc ctacgtggcg ctcgtccccg catcatctcc 420
acgatgccca gcactgcgat ttgctggtac gttgttatcc gcgcatga 468

<210> 18765

<211> 210
<212> DNA
<213> A.fumigatus

<400> 18765
agatggtgtc gacagcgatg gaagggtaaa ctgaactatg aagcgctagc accaaaaggg 60
gccgttacgt cgcttatcaa gttcagcgtc aagggagaag agcgaggggt gattgtgctt 120
agttatcacg tatggtcgct ggacgtcacg ggagtggggc gtcttaaaag tttagaagca 180
agcatgcact gttacccaag acatcaataa 210

<210> 18766
<211> 219
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (157)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18766
ccgcagggaa agctttcctg cctgcccaac gccagcacaa gtataggata catcggtcaa 60
gcggcagaac actttgattt aggagctcac attttcgtct tgaaaatctc gttaagagga 120
gctgccgcaa gtatgtctcc aatgaaagaa gcccttntat atcaagccca gaacacccgt 180
cccaaagaga acttatgcac acaatatctg aacccataa 219

<210> 18767
<211> 1263
<212> DNA
<213> A.fumigatus

<400> 18767
ttagattccg cggttgacag gacataccgt aataagcatt ttgctgctgc ttggaagaaa 60
tccacacatg gcggtccaaa aacctcaaca gcgaatggcg cgccggcaag tggccaagat 120
tcccaagatg agccagtggt actacctact cctgagctta ttgcctcttt cgcccacctg 180
ccaattcctc gagctgagcc tgaaattgaa ggtacacctc cgccaccttg tcctattgcg 240
aacattccaa ccgaggtcct actggtaatc cttcgacatg tcgcgttgat ggaccctgca 300
tcattttgtc ggatggcgtt ggtctgcaag cgcctggcat atcatttcgc caatgaacaa 360
cacatctgga aacgactttg tcagggtttc gagtttggct ttaagtcgat gcattactca 420
tttgcttgtg acattcacgg caatcctgag tatactatga ggcaacgcta tacgcccttt 480
ccattctcag tacccgtgca gattcctaag ccattatcct cgtggagcca ggtcttccag 540
atgttccctc gaattcgttt cactggtgtg tacctaagca ccgtcaatta tactcgcccg 600
ggtgccgcat cttcatacca caatatatcg tgggacagtc ccatacatat cgtcacctat 660
tatcgatatt tacggttcta ctcggatggt tcagtcattt ctatactgac aacagcggag 720
ccgttggatg ttgttcctta tatcagtaag gagaatatga aagctgcacg tgcaacttcc 780
tcgcatcggc atcatcaacg taatacatct gatccaggta tcactttagc tggaggcgca 840
gaaccgatac ccccagtcgc tttgtccgct ttgaaggaag ctcgtcgagg acgttggcat 900
cttgtcaagc cacttgccgc ttctgagtca gaagacgaca accgcatacc gtcggtttcc 960
gaccggccgc ccttcccagt cagaacagtg cacactcctg ccctggatcc ccgagatgtc 1020
atcattgaaa ctgaaggtgt cggttcaaag tacacgtaca caatgcatct gtctctccgg 1080
tcgtcctctg gagggtcgaa gcctgccaac cccacagcca caccagccaa cacatcgaaa 1140
aatacgaagc ttgtgtggaa gggattctgg agtcacaaca agctgaccga cgactgggct 1200
gagtttggac ttcgcaatga tcgagcattt gtgttccgaa gggttcgcgg ttggggtatg 1260
tga 1263

<210> 18768

<211> 2193
<212> DNA
<213> A.fumigatus

<400> 18768
tattttcttt gccagcaaaa gagatcgcat acgaggctca taatgcccga aagggtacgt 60
atcgttttcg acgactcgga cgacgccccc gtccctaaaa aagtccctga ggccgaacaa 120
attcaaggct ccgagccagt caaacgaaaa gaccagccta cagaccaccc gaagaagaaa 180
agcaagaagc gaaaggttga gtggccttca gatacacggt cgcaagaatc cccgtcgtca 240
aacgaaacgc agtccgagcc agtctcgcgc gacaccaatg agaaagatgc ggtcaacggc 300
gtcgcaaatg gcacatacca ccactccaag aacaaaaagc ataagatgaa gaaccaagcg 360
ccccaaggag caaagcataa atttacctcc ctgagagaaa aggccaaggc gctgtacgaa 420
acccgcaaga acctccccat cttccctcac ggcgatgaga tccgacagaa gctccgtgta 480
aacgacgtga tgctgctggt cggtgaaacg ggtagcggaa agagtacaca gattcctcag 540
ttcttggtcg atgagcgatg gtgccgtccg accaaagcga cggttactca ggataatggg 600
tctaaaaagg aattgacggt tggagggtgt gttgccatta cacagccgag acgagtggct 660
gccatctcgc tggcgagacg tgtagctgag gaaatgggga cgccgctggg ttcttcatca 720
ccggcgagta aagtgggtta ctcggtgcgg tttgatacgt ccacgtcgcc aagtacgcga 780
atcaagttcc tgacggaggg aatgctcctt caggagatgc tgcatgatcc ctcgttgacg 840
aagtacagtg cgattgtggt tgatgaagta cacgaacgtg gtgtcaatgt tgatctagta 900
ctggggttcc tgagaaactt ggtttcgggt aaaaaggaag ggcgaggtgg tgtgcctctg 960
aaggtcgtag tcatgagtgc cacagctgat atggagagtc taattgattt cttcaaggag 1020
ggtctacagg ggcaaggaga tactaagaca acaaagggga acaatgatca gcaggattct 1080
cctcaagcga atggcgagga caaggtttct gtttgccata taaaaggtcg tcagtttcca 1140
gtcaaaacga tctactcccc ggcgcctgtt catgattttg tggatgccgc tctgaaggtg 1200
atctttcaga ttcattataa agagcccatg ccgggagata tccttgtttt cctgacaggc 1260
caagaaacgg tcgaagcttt agaacatctg gtcaacgagt acgcagctgg aatggatcct 1320
gcgttgccca aggtccaagt acttccctta tttgcggctc ttcctcaggt cgctcaacaa 1380
agggtgtttc ttcccgcgcc tcctcgcacg cggaagatca tccttgcaac caacattgca 1440
gaaacctctg tgactgtctc cggggtacga ttcgttgtgg actgtggcaa ggcaaagatc 1500
aaacaattcc gtacccgctt agggctggat tctcttttgg tcaagcccat ctccaaatcc 1560
gccgccattc agcgaaaagg tcgtgctggt agagaagcgc cgggacaatg ttacaggctc 1620
tacacagaaa aggactatct agcgcttgat gagaccaata caccagagat tctcagatgc 1680
gatctaagcc aagccctgct caacatgaaa gcccgcggtg ttgacgacgt catgggcttc 1740
ccgtttttga cacgaccccc acgcgagtcg ttggagaaag cgcttcttca actgctaagc 1800
atcgatgctc tggaagaatc cgggaagatc agctcgaggg gacagcacat cgataagata 1860
cataaaacgc caaccctcgg gcgtgtccta ttagcagcag cagaacatgg agaaggatgt 1920
attttggacg tcatagacat catctctagt atcagtgtag aaaacatctt cctcaacacc 1980
acatcggagg aaaagaagga ggaggcagaa aaagcgcgcc gagacttgta tcggagagaa 2040
ggcgatcacc tcaccatgct tgccactgtg caagcgtatg cagcggaaaa tacggaccga 2100
aaggcctggg ccgaacggca catggtgtct catcgagcca tgcagtcagt gatggtatgt 2160
tgtcattatt cgtctccgtc taacgctctt tga 2193

<210> 18769
<211> 363
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (49)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18769
ctattacagg atgtccgcaa gcaactcacc gctcaatgcc gacaagcana gcttcttccc 60
agcgccagcg actctcgcaa cggctctacc aactcggcca ctcgcgagcc ctcaccggtg 120

ctcattctcc agagtttcct ccggggattt tccaccaaca cggcccgcct cgtcccggat 180
ggcagctatc ggaccgttgt cgggaatcag acggtggcca tccacccgtc cagcgtctta 240
ttcggcaaga aagtggaggc tatcatgtat aatgagtttg tgtttacgaa tcgcagttat 300
gcacgaggag tgagcgcggt gcagatggat tgggtcgggg acgcgttgac gggagcatta 360
tga 363

<210> 18770
<211> 306
<212> DNA
<213> A.fumigatus

<400> 18770
gcaccatacc atacagctgt cttttcgagc aaggagcaag gagcatcgaa tacgaaagtc 60
ctgattgtca aacaggctaa atggcgatca tctcatccat tggccgatct cactgacatg 120
tcatcaattc gtattggact cgtcactagc tatttcatcg ctgcaagtct gtggcaagag 180
tgtattagcg atgtgccgat gctctcggaa ggtcgaaagt tgtcggtgct gcaatgcgag 240
aggaaacaat tttgtacacc tgagtttatt accgaacaga tacggggcac attttgtggt 300
ctgtaa 306

<210> 18771
<211> 246
<212> DNA
<213> A.fumigatus

<400> 18771
ttgtgttcag caactcctct tgacgtcgtc cgtgtccgac ttcaatcaca atcttccgtt 60
cataatgcat ccccctacac ctctcacaca acccagacac taaaacactt gccaccgaat 120
ctgggagtaa ctgcttgttg ccgcgaagtg ttctggtttg gtcaagatcc acaagtgtgt 180
atggtaggtc caggcacagg gaccctagga cttttcatca cgatcgccaa gggccgcgat 240
atgcaa 246

<210> 18772
<211> 192
<212> DNA
<213> A.fumigatus

<400> 18772
ctagaaattg attttttttct gtgtatctac caaaatgaca aaggacctgg tgagcctcac 60
gacgaagtgt attcacccga ggcattgttc cgttctgact ggctccagac cttcgatatc 120
catttcgaca acgagctcgc gcacgattac tacggtgacg gcaagaagtt ggccgagaag 180
tatgaaacct aa 192

<210> 18773
<211> 558
<212> DNA
<213> A.fumigatus

<400> 18773
gcaacgcgca gaactgggac gcttggtctc tactttgcca tgaagatact tggctacacg 60
ccctaccaca tgtacgaagt ggcacttgtg cagggcacac cagggatggc agcccttctg 120
gaggccgtaa tcgcggaaca caatcggcta tcaggcatca aacggttcga caagggtgat 180
ttggacaagt tgacagccga ctatgatgta cgtgtccacg taccgattgc gttctggata 240
ctcaccatgc tacagtgcct tattgagatc ccgagtttcc ttggcccagc cctcctcgac 300
gagtacgcac aggaccccga ggtcaagatt atcctgacgg agcgggaccc cgatcgatgg 360
gccaagtcgg tcaacggcac ggcaggcttt gtcgtcaagg cggccgcttc gtttccgttg 420
aacgtgctca agcatttcga cgaggaatta gggatctttc tggccctcaa caccactgtg 480

tacgccgtcg ttgctgacag tacaaagccg ggccagccgg gtaatgaggc ggctctcagg 540
aggaattacg ttgagtag 558

<210> 18774
<211> 1011
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (25),(965),(1003)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18774
taccgcccgc ccccattgcg gttgnggtat aggcatagcg cggatccttc ggcccccgtg 60
gtgaagatcg cgatgtacga tatgacttcc ttccaccggt ttgaggtgtc ggggccgggg 120
gcgagcgcgc tgctgtgtcg gttgatgaca ggccgtgtac cggacgtagg acagatcgct 180
tatacgctgc tgttgaacga gcggggcggc gtccgcagcg atctctttgt gacgaggctc 240
ggcgcggaga tgtttcagat tggagccaac accgcgactg actttgcgta tctctcctgc 300
gaagctcggc gacagggcca gaagtcccca aggcagtggg ttcaggtgcg cgaggtgacg 360
ggtcatacct gctgtcttgg cctttggggc cctcgcgccc acgacgtcgt tcgcacgtta 420
acgactgacg acctctccaa taccgggctg ccatatatgc atgctaagcg caccaccctc 480
gggggcctcc ccgtcacagt cctccgcaag tcctacgtcg gtgaaagcgg gtgggagatc 540
cagacgagcg ccgagtacgg acatcgcctg tgggatatca tatgggccgc gggccagccg 600
cacggtctta ttgccgccgg acgagcagcc ctcaacgcgt tacgactgga gaagggatac 660
aggacctggg gggtggatat gaccagcgag cacgatccct tcgaagcggg agtgggttcc 720
gcggtgcagc tggacaaaca agaagactac gtgggtaagg ctgcagtgca gcgactcgca 780
agggtgcagc ctacgcgtcg gttacggtgt ttgaccatcg acgacggacg gtcgatggtg 840
atgggtaagg agcctgtctt ttggaagaac aaggccgtag ggtatgttac cactgcagcg 900
tttgggtata cgattcggaa acctatcgcg tatgctggct tcttcattcg atccgagaca 960
gtganacggt ggacgtggaa tatttcgggc ggaagatcag ggntacggtg a 1011

<210> 18775
<211> 228
<212> DNA
<213> A.fumigatus

<400> 18775
gtagcacccg gcgagtattg gggtgacctg ctcaaattct tcaagaagct cacgggcttt 60
ggaaatcagg tcttgttcct gttcaccgtt gctgctcagc acttcggcgg gatgcgtcac 120
aatcagatag ctgctgagaa aagtgcgaac agcacctctt ccccccactg tcccgctttc 180
catatcctgc agtccgcaaa gtctaagaac acgggccgtc gcagataa 228

<210> 18776
<211> 987
<212> DNA
<213> A.fumigatus

<400> 18776
ggggagttct ccattgatct tgccatatcg gagcgaccca gttctatcaa tgatccgcta 60
ttagaagaac cccacctact ttactgctct gtctgcggga ctccgaccac agacatcagc 120
gacagcggcc caacggaaga acaaggagtt gagagaaaaa agggaaaagg gatatatcag 180
aaacgcctac gatatatggt catggcagcc gaagcgtcct cccagttggc tctcctatcg 240
gatctcacgc ctccatctct cgaacgtact tggctgaccg caccacaccc cactctccca 300
atcgttgcga catgcagctc cgacaaaacg gtccgtgtct actcattgac taatttccgg 360
cttctttcaa ctatatcggg cggtcataag cgcagcgtaa ggacatgcgc ctggaagccg 420

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agagaatgtg ccgtccgcac caactga 987

<210> 18777
<211> 312
<212> DNA
<213> A.fumigatus

<400> 18777
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aacgtgcatc tttatacctc agctaccttg cgctttgagg ttgcggattc caggatcgag 180
attactcaga agacacagtg gccatggaac ggggacgtta cattttctgt gaatattgac 240
ggtccgccag tgaacttgga gctgcggctg cgaatccctg gatgggcaag cacctgggag 300
gttagtggat ga 312

<210> 18778
<211> 672
<212> DNA
<213> A.fumigatus

<400> 18778
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gtgccgtccg caccaactga cttgccggat gacgatccgg tcaccgcgca gtggaagaag 120
gcgcatgcgc tttccggtcc ccgtctcgtc tcatgctctg acgaccgtac cgtgcggatc 180
tggagacggc aaccgaagga gcagcaccag caccaagccc agccatcgcc gtctggaggc 240
tcgggaatcc cgagcatcat ccgtccgacg gggtccgacg agttctggga cgaggagtgc 300
gttctaccgc aggcgcatga tctatctatt tatacggtag catggagcaa gcggacgggc 360
ttgatagcat ctgtcggggc ggatggtcgg gtcgtggtgt acgaggagcg tttcattgta 420
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gactcaccgg ctgctcttag aactgaatgg agagtcatcg ccacggtgga tggtgcccac 540
gggatctacg aaatcaacca cgttacttgg gctaagcgcg cagatcgcgg acggatagag 600
ggtacagatg aggaggtctt gatcaccacg gctgatgacg gcactgtcag ggtgtggact 660
ctcaagatgt ag 672

<210> 18779
<211> 1809
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1591),(1774)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18779
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gatgagcaga agcccccgct gaacttaccc gctcggatcg ctgcccgatt ctcgcgaaag 180
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cattcgcacc attctaacgc ctcttccaat ggctcgtcct ccaccgacca cgttgcgcaa 300
catctgcggc gaacttcgat tttggaaaac cgcaaagcaa ggcttgcgga ccgtgcgttg 360
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gaggagcaaa agatggctca agtggttacc aaatctctga ctcgggatgc agccgcaagg 720
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cacatgtgcg atatgatgcg tagagatgtg gatgctggaa tgggtgcaaa tgggacggtg 1740
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acgttctga 1809

<210> 18780
<211> 483
<212> DNA
<213> A.fumigatus

<400> 18780
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gcaaagttgt ctcctcttct ttcaaattac cagaatccta ctgtaatctt cgactggtat 180
ggagtagcca cggaggccgt gattggcgct gtcagtcgcg caggcagaca gagtcacagg 240
ctgcaggatg gcgaaagagg aattcccctc atcctgcata ccttgtatgg caacactaca 300
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agatggcaaa atccttttcc agtccaagcg acgcagggct ggttgattgg cgcacagtcc 420
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tga 483

<210> 18781
<211> 273
<212> DNA
<213> A.fumigatus

<400> 18781
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ttcccccatc taattctgat ttattattac tctcctcctt atttccctcc cacagttcgc 180
ttttactgga gccgaatcct gtctattact tttccactca gtgcggacgg agtactaaag 240

tgttttatct ttttttcttg tgtgccagta taa 273

<210> 18782
<211> 189
<212> DNA
<213> A.fumigatus

<400> 18782
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gcctacctga ctaccggatt accatgggtc gccccgccca cacgacgacc tcagctgccc 180
atcaactag 189

<210> 18783
<211> 1455
<212> DNA
<213> A.fumigatus

<400> 18783
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gttgcaacga cgcaagatgc actgatcttg ttcgaggcct gcttgacggg catcctacat 120
cacgttcctc gtcgacctca tgatcgcgaa aggagccatc tcgtccgcag tggcagtgtg 180
tttatctacg aagagaactc gtcagggatc aagcgatgga cagatggagt tacgtggagt 240
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ggagaaaaga aacgagcaat gaagaaggcc aaccgacgtc cggtgccgtc tgcgaggcct 360
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cagccgcaaa tgtaa 1455

<210> 18784
<211> 219
<212> DNA
<213> A.fumigatus

<400> 18784
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ccgactttca tggaaggcga ggatgtcatt aacataagaa tcgaccgtgg cataagtcgc 120
attccgcggc atgtcgactg ggatgtgctc attttccagc tgatggattt ccagggtcag 180
aggccggtta ttcaagctca agtacccctt ctcatctag 219

<210> 18785
<211> 414
<212> DNA
<213> A.fumigatus

<400> 18785
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gcattgaagg tgagccagag tgatagtacc cctctactcg tgtcggcgct gacagacgac 300
gttattcaca tagttcatgt ataccgagcc cgagcaaaat gtcttcaact tcactcaagg 360
ggactacttc atggacttgg ccgatcacta tggtcacgcc gtgcgctgcc ataa 414

<210> 18786
<211> 855
<212> DNA
<213> A.fumigatus

<400> 18786
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gtgtccgact gggtcacctc caggaactgg accgccacag aactcaaaga agtgatgaag 180
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<210> 18787
<211> 1092
<212> DNA
<213> A.fumigatus

<400> 18787
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cctcatggct ag 1092

<210> 18788
<211> 291
<212> DNA
<213> A.fumigatus

<400> 18788
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accactttgt tctttccttt ggaagtcctc tactgcagcc tgaaggttct gaatggactt 180
cttccctctg ttctgctgtg cagctttgcc cgaagaagag agctggttga gggtcttggc 240
gtccatcttc atagccactt gcgcctcttc aactttacca tcataacttg a 291

<210> 18789
<211> 183
<212> DNA
<213> A.fumigatus

<400> 18789
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accttccctg tctttacctc tactattcac ttttgcatat tcatttcgcc tgcagaaatg 120
gtgcgaaaac gaagaactag aaagcttttt acatccgaga ttatatcctt acttgaatcg 180
tag 183

<210> 18790
<211> 1503
<212> DNA
<213> A.fumigatus

<400> 18790
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taa 1503

<210> 18791
<211> 2127
<212> DNA
<213> A.fumigatus

<400> 18791
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ttcactgatg tccatgccat tgtacctggt cgtccggata tcatcctcaa gctgctttcg 180
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cgaatgggga caacagttgc cacaaatgcg ttgctcgaac ggaaaggtgc gcgatccgtg 360
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<210> 18792
<211> 1323
<212> DNA
<213> A.fumigatus

<400> 18792
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cgcggccatc acgcggacat tggaggcatc cttcctggat cgatgccgcc caaatccacc 120
gagctatggc aagaaggagc tgctatcgag ggcgacaaga tcgtcagcaa cggcgttttc 180
gacgaaaaac gcatcatgga gcttctggtt gacgggcccg ctcagtacga gggctgctca 240
ggcgcaagat gtgtcagcga caacatctcg gacctgaaag cgcagattgc tgccaacgcg 300
cgcggtatct ctttgatcca ggctcttttc gccgagtacg gcgtcgagac cgtccagaag 360
tacatgtacg ctatccagca cacggccgag agggccgtcc gcgaccttct caagggactc 420
cacaagaagt tcggcggtcg acccctggaa gcagtcgact acatggacga cggcaccccg 480
atcaagctga aggtcactat tgacggctcg gatggctcag ccgtcttcga cttcgccggc 540
accggcccgg aggtctacgg cggctggaac gccccgatcg ccatcaccca ctcggccatt 600
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ccgatcgaca tccgggtccc atcgcccagc atcctctctc cgaccaagac cgccgccgtc 720
gtcggcggca acgtcgtcac ctcgcagcgc atcaccgacg tcgtgctcaa ggcgttccgc 780
gcctgcgccg cctcccaggg ctgctgcaac aacctcacgt tcggcacgaa tgcgcgcacc 840
gacccgacta ccggcgagac gctcccaggc ttcgggtact acgagaccat cgcgggaggc 900
agcggcgcgg ggccaacctg ggacggcgag tccggggtgc acgtgcacat gaccaacacg 960
cgtatcaccg acccggagat cctggaaaaa cggtacccga cgctgctgag gcagtttagc 1020
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attgagttcc tcgcgccgat gcagtgctcg atcctctcgg agcgacgggt gcatcgtcca 1140
tatggtctgg agggcggcga agatgcgcag ccgggaatga atctgtgggt taccacagat 1200
aaggagacgg gggtggagcg ccaggtgaat attggcggga agaataccgt gtctgtgggc 1260
actcatgacc gatttgtaat tatgactgct ggtggtggtg gatgggggggc tgcacaagca 1320
tga 1323

<210> 18793
<211> 891
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (890)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18793
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ggagctcgaa tcatcaacct actccaatcc ttcgacgacc aacccccccgt ttcgtccatc 180
gtaccatcag atgagccaaa attcccctca tcgctcccga attccaaaaa gaagcgcaga 240
ttcatcatcc atacttctcc atatcttcgt tgcgtgcaaa cggccatcgc tgtcagctca 300
gggatcagcc agcactatac agacagcgac atcgttcacc ccgccgtcgc ttccaactcc 360
actcaggcca atggacattc tatgggatca actgcagact cacgaagcgg gtccacctcg 420
agcccgatca catcttcccc ttcactgtct ggtcccaaca atcatcggtg tcttctgcgc 480
gtggacgcgt ttcttggaga gtggctgagt ccagactact ttgaccagat catccctccc 540
cccaagtcgg aaaggctcgt ggctgcggcc aaagccgaat tacttcggcg gggggacgac 600
gtcgttcctg aagcggacac ggctaacaag ccgagtacag gcaacttccc tggtggctgg 660
ggtggtttca cgaactctga cacagctcgc gtggatggaa cggtaaacag tggtggccct 720
tccccgggtg tcacccacac tccgggccaa cgcacccgtg cagggagtta cgacagtctc 780
aattctgccc aaacccctcg cgctagaaga atcctcggca aaatcaacac tgatcttcca 840
ccgattccag acggcgcgta cgtgcctcct acgccgagct acgccatctn g 891

<210> 18794
<211> 1125
<212> DNA
<213> A.fumigatus

<400> 18794

gtcaacctag tatgctcata ccaattggaa ccgcggagtc acgcgatgag cgaccctgaa 60
ccgccgcgga taatacgatg cggggcccct cgagacaatt ggcgcaccgg tttcgtgtcc 120
gaccattccg gacaggcggg ccaccttgca atcgggtgga ttggagcccg acaagcgcgc 180
cagtgggttc ggccgctgga ccacgttgag aaagtcaagg tcgtgctagc aggctcgagt 240
attgtgcgtg cgtcggatac tcagaaccag gagattctct tcgctgtcaa aggtgctgct 300
gccagctttg ggatagtcac ggaattcaaa gtgcgcaccg aagaggcgcc cggattggct 360
gttcaatatt cgtttacgtt caatctgggg actgctgctg agaaggcaaa gctcgtcaaa 420
gactggcagg cattcatagc tcaggaagat ctcacgtgga agttctactc caacatgaac 480
atcattgacg gccagatcat tctcgaaggt atttactttg gctcgaaagc agaatacgac 540
gcgctgggcc tggaggaaaa gttcccgacc agcgagcccg gcaccgtgct agtcctaaca 600
gattggttgg gaatggtcgg tcatggactg gaagatgtca ttctaagact ggttggaaac 660
gccccgacct ggttttatgc caagtcccta ggatttgcac ctcgcgcact gatcccggat 720
tccgcaattg acgacttctt cgagtatatc cacaagaaca accccggaac cgtgtcctgg 780
tttgttacac tcagcctgga gggtggagct atcaacaagg tgcctgaaga tgccacagca 840
tacggccacc gcgatgtgct tttctgggtt caaatcttca tgattaaccc gcttggtcca 900
gtctcgcaga ccatatatga tttcgcggat ggtctgtacg atgttctagc taaggcagtg 960
ccagagagtg caggtcacgc atacctcgga tgtccagatc ccagaatgcc caacgcccag 1020
caggcgtact ggcgtaacaa cctcccaaga ttggaggagc tgaagggtga cttggatccg 1080
aaagacatct tccacaatcc acagggcgtt atggttgtct cctga 1125

<210> 18795
<211> 885
<212> DNA
<213> A.fumigatus

<400> 18795
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cgcatcgata ccccagtgta tctgctcgat aagctcgaga agagcactcg tgtccatggg 120
cctgccatca tcatcgacaa gacacagacc attgttgtcg tgcccaacgc tgttgcaagc 180
gtcctggaga cgtgcgtcgt aattgatctc aaggatacca agaccgacgc gtccgctgcc 240
agcgacgagt catctaacat cgatcccatc cggctcagca tcttcggtca tcgtttcatg 300
tccattgccg agcagatggg ccggacgctt cagaagacct cggtgtcgac caacatcaag 360
gagcgtctgg acttttcctg cgctctgttc tcccctgatg gaggactagt agcgaatgcg 420
cctcatgtcc ctgttcatct cggctcgatg cagtttgctg tccggtacca gcaccagaaa 480
tggttgggaa atctgaaaga cggcgacgtc ctcgttgcca accaccccag ctgtggtgga 540
acccacttgc cagacatcac ggtacgctct actatccggt ccgctattct atttactgac 600
tccattaggt tattacgccc gtctttgacc gccccggcgg caccgagatc atgttctacg 660
tggcgtctcg cggccatcac gcggacattg gaggcatcct tcctggatcg atgccgccca 720
aatccaccga gctatggcaa gaaggagctg ctatcgaggg cgacaagatc gtcagcaacg 780
gcgttttcga cgaaaaacgc atcatggagc ttctggttga cgggcccgct cagtacgagg 840
gctgctcagg cgcaagatgt gtcagcgaca acatctcgga cctga 885

<210> 18796
<211> 438
<212> DNA
<213> A.fumigatus

<400> 18796
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ggaatctgct acggtcttca ggaaattgcc taccgacttg gaaaggataa cgttgtcgcc 120
ggtactgctc gtgaatacgg ccatgccgac ctgaacgccc agagacttga caaccaggga 180
cacgtcgaca agctgttcgc tggtctggag gagcacgtca aggtatggat gagtcacggt 240
gacaagcttg tcaagttgcc cgagggtttc cataccattg ctactaccgc caactccgag 300
tatgctggta tcgcacacga gaccaagcct gtttatggta attccccgat cgccgcgcaa 360
cccttcagct atctactgac gcagccacag gcattcagtt ccaccccgaa gttacagtat 420
gatcctttcg ctcaatag 438

<210> 18797
<211> 222
<212> DNA
<213> A.fumigatus

<400> 18797
ctcatcttgc agggtgacaa gcgcgtctac gctgagatca tcattctgcg cgcggttgag 60
accaccgact gtaagttgac attgggcatt gatggagact ttgtactaag atatatcata 120
tcagtcatga ccgctcgtgc cttccccttc gacaacgagt tcttgagcaa gtgcgctact 180
cgcatcatca acgaggtcca cggtggtaag ttcgagtctt ga 222

<210> 18798
<211> 714
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (711)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18798
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cggcaaagtg cacgaaggtc taaccaagcg cagcacaccc ccgatggagc caagctcctc 120
cgcaacttcg ccgtcgacat ttgtggtgcc aatcccaatt ggaccatgtc gaagttcgtc 180
gatcaggaaa ttcttcggat tcggaagctg gtgggtgaga ccgatcacgt tctcggtgcc 240
gttagtggtg gtgtcgactc caccgttgcc gccaagctca tgaaggaggc tatcggtgac 300
cgtttccacg ccgttcttgt caacaacgga tgcatgcgtt tgaacgagtg cgagactgtc 360
gctgagaccc tgaacaagca ccttggtatc aatctcactg tcgttgatgc cagcaagcgc 420
tttttggatg gcctcaaggg tgtcactgat cccgagaaga agcgcatgtt catcggtgct 480
accttcatcg acgtctttga ggaggaggcg gagaagatcg aggccttggc cgagaactcc 540
ggtgccaagg tcaagtggtt cctccagggt actctgtacc ccgatgtgat cgagagtatc 600
tcattcaagg gtccttccgc caccatcaag gtttgcctcc cccgtctatt ttggggagtc 660
tgttactcac acatttctct agacgcatca caatgtcggt gcactgccta ntaa 714

<210> 18799
<211> 276
<212> DNA
<213> A.fumigatus

<400> 18799
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gatcacatct tcatctccat gatccgggaa gccggtctgt atgacaagat ttctcaggct 120
tacgctgccc tcgatcccag caaggccgtc ggtgtcatgg tgcgtttggt tgcgtccttg 180
aattggtttc aatctaactc atcttgcagg gtgacaagcg cgtctacgct gagatcatca 240
ttctgcgcgc ggttgagacc accgactgta agttga 276

<210> 18800
<211> 225
<212> DNA
<213> A.fumigatus

<400> 18800
gcactacgtc tataccctgt caatttggca atccatgtta cagacaaacc tggagaagga 60
cactttactg cgtctccact cgatcataga tttcctttgg gactgtcagt taagccgcac 120

agcagcaagg aactcaagtt gtcccagtgg tacgaccagc gcaacgatat cgacttctat 180
gccgccaagg gtgggcaatg gacaaagaac aatactcaat cttaa 225

<210> 18801
<211> 786
<212> DNA
<213> A.fumigatus

<400> 18801
acgaccaccg tcaaaatgac agcaccagat atccaccctc ccaatttcac ttcgtgcctg 60
gaccaaaccc aaagctcact cttctcgata atcccaccag aaatccgccg ggaaatcttc 120
gcctatgctc tggccgcatg tgaggacacc aagaatccat acagcaaaga cacatactgg 180
acacgaccgg gctatgacgc cccgcgccgc acctacacag agctcctccg gagctgtaaa 240
cgcgtctacc aggaagcctg gtttatgccg ttcacatacg ccgagcacgc cttctatcta 300
acatggcgcg accgagcacc gaagcaactc tcgcccatgg cattccagca atgcctagac 360
ctgatccacc agatgcacgg caaggttgaa gccggcagga tcaggatctt cgcgcagctt 420
ttcatgctcg aaaaaggaca tgcaatgacg gcgctgttgg acatgacgca tttctatcct 480
cgcagcatca cgctgacgat ccggtacacg gacttctgga tgtgggagga gaaccagcct 540
ctctatatta gtgcggggtg ggtgaatagg atctgcttcc cggaaagcgt gaggcggttc 600
agtatagatt ttgagagtat cgagcgccgc aaggacgaag tcgagtacat tgccaacgaa 660
gcggctgaga agtggttttt ccggcggaag gacgggaggt tcctgacggc tgataaggct 720
gatatgtcgg tgtcgcagtg gaacggggag ttctatattg aacagcaaga gatggctgag 780
ggatga 786

<210> 18802
<211> 438
<212> DNA
<213> A.fumigatus

<400> 18802
cagactcccc aaaatagacg ggggaggcaa accttgatgg tggcggaagg acccttgaat 60
gagatactct cgatcacatc ggggtacaga gtaccctgga ggaaccactt gaccttggca 120
ccggagttct cggccaaggc ctcgatcttc tccgcctcct cctcaaagac gtcgatgaag 180
gtagcaccga tgaacatgcg cttcttctcg ggatcagtga cacccttgag gccatccaaa 240
aagcgcttgc tggcatcaac gacagtgaga ttgataccaa ggtgcttgtt cagggtctca 300
gcgacagtct cgcactcgtt caaacgcatg catccgttgt tgacaagaac ggcgtggaaa 360
cggtcaccga tagcctcctt catgagcttg gcggcaacgg tggagtcgac accaccacta 420
acggcaccga gaacgtga 438

<210> 18803
<211> 291
<212> DNA
<213> A.fumigatus

<400> 18803
cgacacctat caaaactcat agaagcctca cagtccttca atcgcaagtc cgacctttgc 60
cgacatcacc gcatccacac caacgaacga ccataccact gcaccgtcaa aggctgcaac 120
aagagcttcg tccagcgcag cgcactaacc gtccacttcc gcacgcatac cggcgaacgc 180
ccacacgcct gcaactttgc tggctgcgag aaggccttct ctgacgtacg tcctcctcca 240
cacatcacac acatgtactg tagcctaaac cttcgtagtc ctcaagccta g 291

<210> 18804
<211> 222
<212> DNA
<213> A.fumigatus

<400> 18804
ctcaaggaac acgtcctagt ttctagggat acacatgaaa atgaaataac tagtcctaga 60
ctcctagcta ccagcattgt ctggtcctca tccctcgcat tgactccaca gtcaaatcaa 120
ttccaggaaa gaaacccggc tgccaagagc aacagaccca acctaatctt gcatggccga 180
acctacacca cagcgattct cgtctggccg ggaatgttgt ag 222

<210> 18805
<211> 585
<212> DNA
<213> A.fumigatus

<400> 18805
gatactctcg atcacatcgg ggtacagagt accctggagg aaccacttga ccttggcacc 60
ggagttctcg gccaaggcct cgatcttctc cgcctcctcc tcaaagacgt cgatgaaggt 120
agcaccgatg aacatgcgct tcttctcggg atcagtgaca cccttgaggc catccaaaaa 180
gcgcttgctg gcatcaacga cagtgagatt gataccaagg tgcttgttca gggtctcagc 240
gacagtctcg cactcgttca aacgcatgca tccgttgttg acaagaacgg cgtggaaacg 300
gtcaccgata gcctccttca tgagcttggc ggcaacggtg gagtcgacac caccactaac 360
ggcaccgaga acgtgatcgg tctcacccac cagcttccga atccgaagaa tttcctgatc 420
gacgaacttc gacatggtcc aattgggatt ggcaccacaa atgtcgacgg cgaagttgcg 480
gaggagcttg gctccatcgg gggtgtgctg cgcttggtta gaccttcgtg cactttgccg 540
actattgagc gaaaggatca tactgtaact tcggggtgga actga 585

<210> 18806
<211> 300
<212> DNA
<213> A.fumigatus

<400> 18806
cattctccca ctatgcgaat acaatcgagc ctctcatcgt ggttcctctc ctccgctctc 60
ttcaccggtc tagcctcggc gtcaggatcg ttcgactgcc gtaatatcat cgcagagggg 120
atcaaatacg acctctacgg cttgcacggc gtgcacacga tctaccatgt cgacaaggcg 180
gaagactaca tcgtgaacac gacctacgtg ctggacatct gcaaggcgct cggcaaggcc 240
tcgatccggg gggatctgaa atgcgggact tcgaagaata gtgcgtgcca tggcacctag 300

<210> 18807
<211> 348
<212> DNA
<213> A.fumigatus

<400> 18807
ctgttgttct actctgtagt ctgcggattc cagtacaagt atacccccga cggctcggag 60
gagatcagcc atgccttccc cattgccgga ctggaccccc tgggtcacgg cagcaaggac 120
gccgaggtca cgcggctgaa gggagatggg caggaagggc tcctggtaaa actggcgggg 180
ggcgagtaca tcgacaagga caagaagaag aaggatgcac gggcggtgat tgagttccaa 240
tgtgatcccg atcggtcagg cctggagggg ttgtctttct gtggaggagg aagaggagga 300
ggaggagacg cgccgatttt caccacgggc gtcgaaggat acgcacta 348

<210> 18808
<211> 555
<212> DNA
<213> A.fumigatus

<400> 18808
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agcccaaatc atcagagtgg tcgttatgag ttacctccag tacagtcagt gacctctcct 120

tctggtcctt tcccacaggg aacttccgcg gggttgtgtt ccgctccgcc gagcaggccc 180
ggcagcggac tgagaatggc tcagctgtta cagcctttgg gacaaccacc ctcgacaact 240
tcaacataca ctcgttccta tgagtctagc ggttcccccg ccgaagttcc tccaatccgt 300
tcggatgtct cttcgctcaa tggatctgta tctgggggct caactcttcc acctgcatct 360
gcggtggggc agcagcagca gcagccacca ccaccaccac cgcagcaaca tcatcatagt 420
caccaccatc aacagggtca tctacatcag aaaagggcgt atcgccaaag gcggaaggat 480
ccgagctgcg atgcttgtcg cgagcggaaa gttaaggtaa ttactattcg tgcaagtcca 540
atgaccatag attga 555

<210> 18809
<211> 246
<212> DNA
<213> A.fumigatus

<400> 18809
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tacactacca agctttcgct ctataagctt tccatcatca acctgtctct agagttggct 120
tcccctcggt gcagccaagt caacccaact gacgccactt tgagcgtggg cgacacacac 180
acacttttcc aagcaagacg cggcaccaac tcccctgatg aactggcttt tcatgttgcg 240
atttag 246

<210> 18810
<211> 270
<212> DNA
<213> A.fumigatus

<400> 18810
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ttgctgacgc atagcaggta caagattggc gacgccttct tccagctgcc tctggcagac 120
gcgcagtctc ttctggcgtc gtcgaccgag cagattgatt tggaggtgtc caggctggag 180
gagactttgg gagatgtacg tgaggagctg cagcagctca aggttactct gtacgcgcgg 240
tttggacgca gtatcaattt ggagacgtag 270

<210> 18811
<211> 195
<212> DNA
<213> A.fumigatus

<400> 18811
ctttccgctc gcgacaagca tcgcagctcg gatccttccg cctttggcga tacgcccttt 60
tctgatgtag atgaccctgt tgatggtggt gactatgatg atgttgctgc ggtggtggtg 120
gtggtggctg ctgctgctgc tgccccaccg cagatgcagg tggaagagtt gagcccccag 180
atacagatcc attga 195

<210> 18812
<211> 231
<212> DNA
<213> A.fumigatus

<400> 18812
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acctccgtgt accatctcat ctcgtcccat cctaacagaa cagccatgct gctgtatcct 120
gccccgcacg gaccacctcc caccacagtc aaatcagtct ccaaatccac caagaatcag 180
atactcaagc ccattaagcc catcgccaca aagctctcaa ccctcactta a 231

<210> 18813

<211> 294
<212> DNA
<213> A.fumigatus

<400> 18813
gcggcgacta atgacatcag atatgttggc aacaaaatcg ctacgctggt catgcagttg 60
ttagggtgcg atgttgccgc cctgaatact gtccatttca gtaatcaacc caatatccgc 120
cgtcaggttg agtcaactaa cattcaacag gcaaccacac tggctacagg cagtttaaag 180
gcacacggtc aacagctcaa gagattagag acctatatga gggtctctgc cagagccatc 240
tcacggattt tgatgtcatg ttgtcgggtt atgcccctag tgctgcggca gtag 294

<210> 18814
<211> 1662
<212> DNA
<213> A.fumigatus

<400> 18814
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gaacgacaga ttctgcaggc tagtaatgcg aaggacatgt ttatcgaaaa atttgagcag 180
atgatccagc agcgactgat cgaggaggga gagcctgtgg aagattcccc accatcaccc 240
aaaaagcccg cccctcggta tgcgcttccc cgcgacaccc acgagttcga atcgcgagtc 300
atttacaatg acattcccat ccctgtcaaa gtgccaaccg ttatatggcc tgagattgtg 360
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caggcctttc cgcttcaccc gcacttgacc accaacggtt cctatacgca cccgatcatc 480
gttcttgtca acgccatgct cactcagaaa cgggtgatct tcttgggcca caatcggccc 540
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cgtggcttca cgaggcatgc ctttccctat accgacttga cgaagatcga tgatctgctg 660
aaagttcctg ggtttatcgc tggagtaact aatcccacgt tcgcaaatca tcccgaatgg 720
tgggacctcc tgtgcgacct tcccaccggc aggatgaaaa tcagcagcca catcgagccc 780
gccccggtta cggagggtct actgtatttt caacagagct ctttcctcca aaactacacg 840
ccgagtgccc atccggatcc caccggcgac aacgccttca tggaagacgt tcaacggagt 900
atcacgaacc gtcacggaga gaatgcgatc cgtgcaaaat ggcgcgcata cattaccaaa 960
tttacgcgcg tcgcggctgc gtttgaggag accgtgtacg gagcgtcgaa tctctacatc 1020
atcgggccga acgaggagct atctccggag agcccgagtg gcgtccaagc cgacccccctg 1080
gaccccacaa cgctacgtgg ccatggctat gtgtggcccg acgaggcaac gaagcagcga 1140
gaattgatcg cctctgtgtc gcgaatcgaa ggctggcgca cgacacggtc ctactattcg 1200
tttatacagg acatcgcggc catgtactac cccgcaagac caatccagaa acctgacctg 1260
caccatcacc atgatcgact gcgcactttg cggctatctc atgctgacgc tggagctatt 1320
taccttgcct tttccaaagc tgtcaaggac tacgcaggca tatgccagct gctgacggtg 1380
acgccagaaa gccaagccgg gctgttgtac atcagcatgg gtcttttcca tcctgatcaa 1440
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cacttctggg cccaacttag ccgcttcaat aaactggcat acttccgagt ccgacgcgag 1560
agggatgcag cgcaaagtcc tgtatcaggg acagggtcga gcctgggggc gccgcaatct 1620
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<210> 18815
<211> 702
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (537)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18815
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gtcatcatca cctctgtccg catctcccag ttctcgtcat ccccagaagc gaccaccgac 180
agcctaaccg ttatcggctc caccatcaaa tccgacgact cccctcggct cttccgcgtt 240
gacgtccccg ccctcgactg cttcttcagc ggaacaggcg acatgttcgc agccctgacg 300
gtcgcccggc tccgcgaggc tgtgttcgcc gccgactcca ccctccgctc gactaaatcg 360
tgggtttccc cggatgacgt caaagccacg gatctaccgc ttgccaaggc caccgtgaag 420
gttctggcga gcatgcacag tgtcttggaa aggaccctgg aagcgcgcga tgcggagctc 480
cgggccgctg cgtctgcgga agagactgaa ccgggcttgg ttgaggagag aaagccnaaa 540
gggagacctt gcgcggacca aaccccccta gggaaggttg ttccaaaccg gcggttcttg 600
cggaagccgg attgtgagtt cccgcccccg attggaaaag gaagatctgg ctctaggggt 660
ttcaatatcg agggtttgaa taaaccactc ttccggttaa cg 702

<210> 18816
<211> 189
<212> DNA
<213> A.fumigatus

<400> 18816
caacacgact acaatgttcc cgtctatatt acatataacg acagtgaata tatctatttg 60
gttatacaat tcttggatat cattttctct ttatttttct ttctttctct ttcatgtgga 120
tggggaggtg ggttccacct catgtgtatt gttctaggcg atacggcatt caatgacatg 180
gcggtatga 189

<210> 18817
<211> 399
<212> DNA
<213> A.fumigatus

<400> 18817
cattcaacag gcaaccacac tggctacagg cagtttaaag gcacacggtc aacagctcaa 60
gagattagag acctatatga gggtctctgc cagagccatc tcacggattt tgatgtcatg 120
ttgtcgggtt atgcccctag tgctgcggca gtagaggcag taggggctat cggcttagat 180
ctgcagcgca aggccgagtc aaatcctggc tcattctttt ggggtatgcg caatcctatc 240
ctcgtcgagc tccccgctaa cggtgaacgg agcacagtcc tagaccctgt tatgggcgac 300
cagggccggc tatatgtcaa cgatgatgta gtgcccgcat ataaaaagat catccaccac 360
gctgatctga ttctccccaa ccaattcgaa gccgagtaa 399

<210> 18818
<211> 714
<212> DNA
<213> A.fumigatus

<400> 18818
ggagcatact ttcattcgca cttgtcacgc tcgcttctac cccggtccga ctcgctgccg 60
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aacgacttcc tctccaactc aacggtcacc tcctgctatc ccatctcgct cctcctccac 180
gactccacct ccttcttcca cactcttacc tccgcaaccg ccacctcgca cgtcctcgac 240
ctctcctgcg ccgcctccgt cgacacctgc gcctccatct tcaaccgact tgccaccgac 300
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gacacaaaag attattgttt cgtcgacgca gctaccaacg cctcctcccc gcagaacctc 480
gacacctact ccatccccgc cgggtacacc accgacgaag ccccctggcc cacctgcaac 540
gagtgcctgc aagccagcat ggatatcttc agccgctggg cgcaggtcga cggccagccg 600
ctcacgacgt cctatctccc ctctgctttg gcgctgaacc ggcactgcgg cgataacttc 660

gcgaatgtga acatcactgt gggcgagaaa gcgaaaacga catcgggggc ttga 714

<210> 18819
<211> 753
<212> DNA
<213> A.fumigatus

<400> 18819
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tcgcagtggg gtgaaactat ggggcctgat gtctgcagta cctcacaaca tcaccagtcc 180
ggcaacccga aaacgacttc ccgattgtcg accttgatca cgcttctgat ggtactgctt 240
ctgtcgtcgg tggtttctgc ggctgccatt ccagatgaat ctcccccact agctcatggt 300
gcgttcctat cgcgaacgga ggcgtttccg ggcgatcatc tggatagtgg gcaagcccga 360
tacggcaaaa cctgggtcat cgagagcagt ctagccgacg aagcagccac gctacccatc 420
ctcgttgccc ccgatgagga cgttgaggag catactttca ttcgcacttg tcacgctcgc 480
ttctaccccg gtccgactcg ctgccgacac cctttgacac caaatctccc tacaacttca 540
gagccgagag ctgcccccag ttcttcaacg acttcctctc caactcaacg gtcacctcct 600
gctatcccat ctcgctcctc ctccacgact ccacctcctt cttccacact cttacctccg 660
caaccgccac ctcgcacgtc ctcgacctct cctgcgccgc ctccgtcgac acctgcgcct 720
ccatcttcaa ccgacttgcc accgacctgc tga 753

<210> 18820
<211> 1128
<212> DNA
<213> A.fumigatus

<400> 18820
aacaccgttg atccttccag ccccgtggtg aagacatatt ctcatttgat caatgcaaga 60
acgggccaag caattaatgt caggtcacca tctactgaaa ttacagtcga cgagcgcccc 120
cgatctgctg gaacaattca gacactgcga gcgctcgata ggtcaaggcc aaggtcggca 180
atctcaagca caagtcataa tatctgggtc gagagcctct tgagaagatg ggaaaaccct 240
gctttccgtc gaccggaaag gccaataacc gcgattagcg acggtgaaag tcacagaaac 300
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gattttggat tggcgaaatt ccgaggccga ttaagcaaga gtcatctagc gacggccaac 420
gtcattgcac aggtggatcg aaagtttatc ctcgtaaagc tcgccgatgg ccgtagctca 480
cggtcggcct tggtcttgat tgatcagcat gctgcggatg aacgatgtcg aattgagagc 540
ctttttggag ccatgttcgc tgacggtcat cgccaagttc aaagcatcag gattgaccct 600
attactttcg atatcccgct cgtggaagcc gctcttttg gaaagcatgc cgactctttt 660
gcatcttggg gtgttgggta cactgtcgag cggaaatcat cagctagagc tgccctcgtt 720
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gagggtaact gggtggaccg attgacgagt tgccctcagg ggataattga cttgctgaac 960
tctcgggcat gcagaacagc aatcatgttc aatgatatgc tgacagccga ggagtgcaaa 1020
agtcttgtag gtcgattggc gggatgcatg ctgccttttc agtgcgctca tggacggccg 1080
tctatggtcc cgattcttga tgtgagggaa agtgaggagt tcttatga 1128

<210> 18821
<211> 759
<212> DNA
<213> A.fumigatus

<400> 18821
cgaattgaac gatcatccac ctgctatcaa ctcatcacac cccctcatcc ccccccctct 60
caaaaaataa tgccttactc ttccaccccc gaggcgtcaa ccacgcctct tgcggactac 120

ttttggatag ctggcgtgga tggcactgag gtactagaga cctttcgaag gttgggcgat 180
gaatacaggg caaacagcgc cacttctcct ggtcccgctc tcacagatac cattgaggag 240
gatgcggacg ctgaggaggc tcacgactcc cgtttcgacg ggctctcgag acccaattcg 300
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ggaaacgcga acggctccaa cagcaatcga agcagcctga cgatcaaggg tgcgcaatcc 420
cctcggggct cgtcgtttct ggaggacttt gacttcgaca aggcgctgtt caagttcgcg 480
tccgagagag actcgttcct gtccgacctg agcctcagtg ccggggccat cacgcccgcc 540
tcacgccccc ggtcgcggtt gcgcacgcaa aagatcaccg ccgaggagac tccatcacag 600
ccgtcgagcc tactacgatc tgggatcggt agcgtacgac gacacatggc cttccgggat 660
atgaacagta tgaagcggca gccgtcggtt gcccgtcaag gtgagtccat tcccggcgat 720
attcgccata cggcgccatc tacgctgaca atctactaa 759

<210> 18822
<211> 2121
<212> DNA
<213> A.fumigatus

<400> 18822
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cgattcgagc ccgttcttct cgatcgatat ccaacaaaag gtatgacgga ggagctgaag 180
cagcgcggaa ccttcccgga ttacgtcccg atgtttgcct ttcccaatga tatcaatatc 240
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gagctggcag cgagtctcgg ggaacggctg gcctccgagc gggccaagct gtcacggctc 480
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atcagcgcgg tggaagagaa gattggactc atgaccgatc tgctccggcc ggtgcgccac 600
ggggcggcgt caaagatcga aggcttgacc gacggagaaa ccggtttctg gatcccccgc 660
gcatatggca ttttggggcg tgaggagaac atgactagct tctggaagga gtggttaaag 720
gccatcattg tccccatgac cgacggcggc gttcagcgag tccccccccag ctcgccgcgc 780
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ccgactacgt tccagccact catcttcaac gcgtatctgt atgcacgtaa cgagcaagcg 1560
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tcccggaacg attcgggaat ggctctgcag gcttcgctgc gggagaaacg gtcgggccat 1740
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acggaataca actcgggctc cacctatgca ccgtccgtct atgctcagtc cacggtggca 1920
gcctcgacga tcgtgccgca gtctgtcgcg cagcccatcc acaatgccga gggcacgtgc 1980
tgggttgagg gccactgcct ccaggtggtc ccggccgatg acaaggccgt ctgtgccgtg 2040
tgcgatgagc gagcggagga cggcatgtac cgatgcagtg ccgtcttcac cgggggtgaa 2100
aaggcgtgca gtgggagtca a 2121

<210> 18823

<211> 432
<212> DNA
<213> A.fumigatus

<400> 18823
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ggcaatcaac atgcatcgag cctgcattca ttcaggccaa ttgagactcc tgattttgat 120
gtactacctg aggagtccga gggaaacatc cgcgaacgga ctaagacgat cacaaaacac 180
ctggtcaaag agaacgagaa tgcaaaagac gcgtccatca attaccagac ttacgatctg 240
tacatgaaga gggccttgct cctgaactac gccccgccag gttactcgat cggacctttt 300
ttcgagtctt ccactactgt catacgacat ggaaagatag tgcgacggcg ctccgccaag 360
aatcgattga gatttaagct cgctggaaag acttcaacta tggccaagaa actctctgaa 420
cacgagctct ga 432

<210> 18824
<211> 1353
<212> DNA
<213> A.fumigatus

<400> 18824
cgttggcaaa ggaacaatta cccggctgct cggctacaag gtctcgaacg cgatcttaac 60
ctcagcgatg ccgactatca aaccggtctt tccattctat tcgtcggata cattctcatg 120
caagtgccgt ccaacctgat cctgaactat atgggtcggc cgtcgctata tctgggattc 180
ttcacctccg catggggcct ggtctcgctg ctgacgagcc aagtcaagag cttcggtgga 240
atcgtcgctt gtcggttcat cctgggtctg gtcgaggccc cattcttcgc tggtgtgctc 300
ttctacctct ccaagtggta caccaagaag gagctagctc tgcgcatgag tatcttctac 360
gcaggctcac tcctcagcgg agcattcgga agtctcatcg cggcaggtat cctgaagggt 420
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accatagccg tcggcatcgc ggtcatgcta ttccttcccg acttcccctc cacctggaaa 540
cgcctttccg aggaggaacg ccacgttgcg aaccgccgac tggccatcga agcggccgac 600
gccgacgtcg acgaagccgg caagatgagc cagatcaagg gtctcaagct cgccttcagc 660
gacatcaaga cctacgttct cgccatcgcc tacatgtcca tcaccggggc cagcggcttc 720
cagaacttct tccccaccct cacctcaaca ctcaagtacg accactttat ctccctcctg 780
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cctccagcta aacgcgctgc cgcctacgcc ttcatcaact ccatcggtaa ctccgccagt 1080
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cgctcgttga acaagcgcct ggagcggctg gatgataccg aggtgacgct cacggataag 1260
gagatacggc ggctggagcg cacggcggag atcgagggca ttgaccttgc ggctgcacgt 1320
cggctgcaaa agggattcag atatatcgtg taa 1353

<210> 18825
<211> 678
<212> DNA
<213> A.fumigatus

<400> 18825
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gacgcaatat gcaggcgtgc tggtcaatca tgtcacgcac ccagccaaga attcatggtg 120
tgtactggta tcgaccggat tgaaacggga gtccctgctt acttggtctt tgaaaaatgt 180
aaacgagcta acggtggtat caaaaactct gcaaaggctt tgactatagc gactggtcga 240
acgccaagtg ctcttcctgc ccagacggct attggagaag gctatcagcc cgtgttgata 300
gccgcaagac gaatgttcaa gcatgtccct gagttagagt actacgttct ggatatcgag 360

agggaacttc tggccaaaga cctctcctcg ttccacgtca tcacctcaac aaattgcatc 420
catgcaacgc agaacctaat gaattcgcta tcaaagatcc gtaaaatgct acgtaacgat 480
ggagtcatcg ccttggtgga gatcacgcgc aatatgttct ggcaagatat cgctgtttat 540
cttttcgagg gatggtgggt gttcatgatg ggcgcgaaca tgcgtgatcc tgggctcacc 600
gatgtggcat ggacctctgg agaggagccc gaaactaaca ctattcggat cattggaggc 660
tttgccgggt cgggatag 678

<210> 18826
<211> 237
<212> DNA
<213> A.fumigatus

<400> 18826
gtcgtcccgt cactggaaga ttctgcctta ttagactttc cccgctataa tttaacatca 60
aacggccaca acttgtccgc ttttggtgat tttagagcct cgccacgagc ctatgattct 120
ctggtcgtgt ttatccatta tcgtatgcct tacgatgagc attttttttg cagcattcaa 180
atttttattt ggaacccagc catcagagct cgtgttcaga gagtttcttg gccatag 237

<210> 18827
<211> 579
<212> DNA
<213> A.fumigatus

<400> 18827
ggtttcttgc gtcgagcagg ctgccgggtg gttttaaaat atcatagtat aaatgaagct 60
ggaaggcctc cttccagctc aattgagagt atcaacaatc atccagactt tcttatactg 120
cctttctcta ggagcccatc aaatctctct cgcaatttca tcatgaatct caagactatt 180
accatcctcc tcagcctatg cgagacactc ttcgccgtcc ccattcaagg ctcccaaaaa 240
gataaacgcc agggtctcgg aggctttaat ttcggtgatc tggcgagcat gggtacctct 300
ggcaccagcg caggctcaaa caccaatcca tttgggtcgt tgttctctgg catcattccg 360
tccacgagca gctcaggctc ctcagccggc acggggaata tgattctccc agctggagct 420
ttgacctctg gatctcaaac cggtaacgac gaaacaaacc aaggacagtc tggttctggc 480
gacttttcc agggcggaga ggatggtgag gaggccgccg cggtggcggt tcaagacggc 540
aatgagggtg acggcccaga agatgagacc gttgcttga 579

<210> 18828
<211> 315
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (109)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18828
cgaaccgcta gggtcttgga cattttcgc agttactatg gtggactcat ctgcgtctgc 60
tggtcgcctg atggcaaata cattgtcacc ggcggacagg atgatttant gactatttgg 120
tccttcccgg agcgcaaaat cgtaactcgt tgtcagggtc acaactcttg ggtttccgcg 180
gtcggcttcg atccatggca atgcgacgaa cggacctaca gatttggtag tgtcggtgac 240
gactgcaggc ttcttctgtg ggacttcagc gttggcatgc tgcaccgacc gaaggtggta 300
cgtatccctt tataa 315

<210> 18829
<211> 276
<212> DNA

<213> A.fumigatus

<400> 18829
acaccgcagg tctatacaga aatctccatc ttcaggacac ttacagacaa ggtcaatgaa 60
atgaccaaag gatcgggccc ccggaatact gcatataggg attctgacca tgaacaacta 120
atcggaagta aaatactgat ctacatcaac ggtgttacaa tcacgataac tctggcttgg 180
ttggatttcc tgctgcctga acttcatgca acacagcgat ttgttatgtt ttttttttt 240
ttttttttt ttttttttt ttttttttg gcttga 276

<210> 18830
<211> 966
<212> DNA
<213> A.fumigatus

<400> 18830
aagaacgact ttccattagg cacctacgaa ctcaaggacg acctgcacct agcaacccct 60
cctccacacc catctgaagc tccaatcata aatccaaatc ctcttgcgac tgttccaaca 120
cctccgacat ctggcgtcaa ggtttcacta gtttgtgtca gtcctcgaag caggactccc 180
tctttcatct caaagcagat cgtaacagcg ccccctttg gagatggaaa cccggcactg 240
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gagcggagtc cggaaggcct ctttgctttc gccaatatca accgcgcctt ccaatggctt 420
gatctcagtt cgaagcagaa ggaagacccg cttgcaaaga ttctcttcac aaaggcgcac 480
atgttgtgtc acgatatcaa tgaggtcacc aaaagccctt ctcatatcga cgtggttatg 540
ggttcctctg ctggtgacat catctggtac gagcctattt ctcaaaagta cgcccgaata 600
aataagaatg gagtcgtctg caattctccg gtcactcata ttaaatggat tcctgggtcg 660
gaaaatctgt ttatggcttc tcatgcaaac ggacaattag tagtctatga taaagagaag 720
gaagatgctc ttttcacccc tgaaatccag aatcagtcag cggaggcagt caaggcatca 780
agtacacagc cgctgcaggt gttaaagtcc gtcaactcca ggaaccaaaa gactaaccct 840
gtcgctcttt ggaaacttgc aaaccaaagg atatcccact ttgcattctc cccagaccaa 900
aggcatttgg cagttgtctt ggaggatggc tctctacgag tgatggacta cttgaaagaa 960
gagtag 966

<210> 18831
<211> 1278
<212> DNA
<213> A.fumigatus

<400> 18831
gagctcgaaa aggaatactg tcctcctctg gattcagctt tgtttacggc tatcgtctgc 60
gactatgacc tagaaaaccc cgcgcaggtc cagcaactcc gcgacaccct ggacactctg 120
aagttatcag catgggagca ggaggatcta cccttcgatc cgtctggaac cagcggactg 180
agtcctggcg ctagtggtga cgcagatggc atcctgtcag agcccagcgg ctcgcaaaac 240
ggcactgctc cgtcgcgaga aacagatatc accagtctgg cgtccgactt ctcctctgtg 300
ggtctggacg acaggcgcac aaggagtcag ggcaatagca attctttgcg ttacacgatt 360
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<210> 18832
<211> 324
<212> DNA
<213> A.fumigatus

<400> 18832
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ggtcttttgg ttatggtcgt gtaa 324

<210> 18833
<211> 249
<212> DNA
<213> A.fumigatus

<400> 18833
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aagaagcaaa cacaggtgcc cggccaccga tcagtcaatg cccgaaactc aaccctgtcc 180
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ctgtcatga 249

<210> 18834
<211> 246
<212> DNA
<213> A.fumigatus

<400> 18834
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acttccaccg gtgagattct acatcaaaaa ttctgcatca tgcgttctaa caaattttcc 180
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<210> 18835
<211> 921
<212> DNA
<213> A.fumigatus

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<210> 18836
<211> 771
<212> DNA
<213> A.fumigatus

<400> 18836
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<210> 18837
<211> 669
<212> DNA
<213> A.fumigatus

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<210> 18838
<211> 330
<212> DNA
<213> A.fumigatus

<400> 18838
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cgccatttat ttctccaggc tagcagccaa agaaaatcgc attgccagcg atttctgtcg 120
ctcaaggagc tgcaggtaat catggcgaca tttgcacggc ctgtagcctc gtcaatttcg 180
ggcattgaat tcggagtcta ttcggatgaa gatatcaagt ccatttccgt aaagcgaatt 240
cacaataccc cgactttgga ctcttttaat aatcctgtcc ctggtggttt atacgatccg 300
gctctgggtg cttggggaga tcatgtgtaa 330

<210> 18839
<211> 2943
<212> DNA
<213> A.fumigatus

<400> 18839
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<210> 18840
<211> 351
<212> DNA
<213> A.fumigatus

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gcgatatatg aaaatccaaa gcttggaccc cggatcctcg cagaagcgat agaagcttgg 300
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<210> 18841
<211> 507
<212> DNA
<213> A.fumigatus

<400> 18841
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gatcaggtgg tcctttgggg gcaatag 507

<210> 18842
<211> 318
<212> DNA
<213> A.fumigatus

<400> 18842
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caccccatag atgttcgttt ctactttgtc ccacagctcg ttcaggcttt gcgatacgat 180
gcattgggct atgtagagcg ttacattctt gagacagcca aacaatcgca attgtttgcc 240
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cgttatgatc acccgtag 318

<210> 18843
<211> 201
<212> DNA
<213> A.fumigatus

<400> 18843
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tacctttccg tctggaaccc ggcttcattg caagtctatt actcgacatt taaacgtcac 180
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<210> 18844
<211> 291
<212> DNA
<213> A.fumigatus

<400> 18844
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ccgggccact ggcagatcga gtcagttgaa aaatggtcta ttgcgttcag gtgcgtcaat 240
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<210> 18845
<211> 399
<212> DNA
<213> A.fumigatus

<400> 18845
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<210> 18846
<211> 333
<212> DNA
<213> A.fumigatus

<400> 18846
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tgcgtgttgg aagatagggg ccaaactctc gaggagatgg acatgatgta cgtacgttct 240
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ctacggcgca agctctggac tggaggacag tag 333

<210> 18847
<211> 1314
<212> DNA
<213> A.fumigatus

<400> 18847
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<210> 18848
<211> 912
<212> DNA
<213> A.fumigatus

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<210> 18849
<211> 1554
<212> DNA
<213> A.fumigatus

<400> 18849
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ctactgaccg gcctaaaggc gaagaaggag acagtgaagg cctttgcatt ctgggagctc 600
tgcctcatca gtcagcaatt tcctgatcgg agaaaggcga ttttcaatga catcgaccgt 660

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gaaggtggct ccacctggac tcagatcctg cagtctgcca ctgaggtcat cgagggcgtt 720
tctaacagga tcaatgagaa gaagaacccg acgtcaaatg tgaagccaga ggagcagacc 780
gacaaatcac aacctgttct ccatactctg ccccgcttag cagagcctcc caaggaagac 840
aacatttttg cgagctcgcc caaagcggtg tcgcgacatg agaaaatcgg agaggccttc 900
agttcagctg ccaagaagta tggacaatcg cccgactgga ctccggcagc tagggctcga 960
gctcgtgatg tctttgaccg cgcatcctca gttgtgctga gccctgaacg aaaacagaaa 1020
ttgctcgctt cttcccggga gctcaagatg ctcaccggac caacgagcaa accagagaat 1080
gtgcaccctc tgctggcaca ggtacttcgc tcaccagtag gcctcatcct ccgacagaac 1140
tacgcccgcc ggttatccgg aatagtcctt ggcacaccgc atgcaaattt atcttccatc 1200
attgatgcta ttgagtcgtt gacccgactc ctcatcgcaa gtcttgcaga ggatcaatac 1260
ggcaaagtac aaagcgatgt tcctagggtt gtgcgcctct tcacagaaac aatcacggtt 1320
cttgagccat tcatcaatgg cgggctagat gctcactgga cggatgtgaa cttcccaccc 1380
tctagcgatc ccgacgccca agccgaagcg cgtcgtgtac cagaggttgg actcgtgctg 1440
gatacagtta ggagttgcct cagagacctc ttatcagcct tcaatctata cttcaaggac 1500
attggcctgg tccggaagga tctcccattt agcaaaagaa actgccgggg ttga 1554

<210> 18850
<211> 1005
<212> DNA
<213> A.fumigatus

<400> 18850
acggcaagcc acaggatatt cagacctcca aacgtacact cgcttgtctc tccaacctac 60
gttccctccg tcaggctctc gaaaatgccg acccctcatt gcctaaactg tctactctcc 120
cgttgcgaat tgtttctgag aacaactttc ccaccgctgc ggttttcgca agctcagctg 180
ctggtttcgg cggccattgt ccggtccgtg gcagatttct atcagcttcc acaatctcct 240
ctggagctca gccgtattgc ccgtcagggt tccggctctg cttgtcgatc tcagatgggt 300
ggttacgttg cctggcgtgc tggtgagcgg gaagatggta gcgacagtct ggctgaggaa 360
gtcgctcccg catctcattg gcctgagatg cgagcaataa tccttgtggt tagtgccgag 420
aagaaagacg tccccagtac agagggtatg cagactacag ttgctacctc gagtctcttt 480
gctacccggg ccgcatctgt tgtccctgag cggatggccg ccattgagac ggcaatccag 540
aacaaggact tcgccacctt tgcggaaatc accatgcgtg actctaacag cttccacgca 600
acttgcctcg actcctggcc tccgatcttc tacatgaacg acgtctccag agctgccgtg 660
agactcgtcc acgacatcaa ccgtgccgtt ggccggactg tatgtgccta cacattcgac 720
gctggcccga atgccgttat ctactacctt gagaaagatt cggaggtagt cgcaggaacc 780
atcaaggcta ttttgggccc taacactgaa ggcttcgacg gcccattcta tgatatcttg 840
aaaaacgtca ctgcttcggt cgtgcctctg gagaaggttg actctagagc tgtagaaatc 900
ttgaagaacg gcatcagccg cgtcattctg actggagttg gggagggtcc catcagcgtg 960
gaggatcacc ttgtgagcgc gacgggtgat atcctcgctt cttga 1005

<210> 18851
<211> 519
<212> DNA
<213> A.fumigatus

<400> 18851
ccctcacaaa aatggactca acagaagctg tcttctgagt tcaaagcgac actggaggag 60
tttcagaccg ttcagcgtcg agcattggag aaacaaagag cgtctgcagt tgccgctcgc 120
acagcagtgg aagagaggga gcatgggccg gcagatggta ccacccagca gcaacaacaa 180
ttgctggagg agcagcctcg tctcgccaac caagctgagg tcgacttcca ggaggctcta 240
atcatcgaac gcgaagcgga gattcgcaac attgagcaaa gcgttggcga gctcaacgaa 300
ctattccgtg acgttgcgca tattgttcat gaacaaggag gccagctgga tatcattagc 360
gagaatgtgg agagagtcac tacggacacc cggggcgcca acgtcgagct tcgtagcgcc 420
agcagatacc aaaagaacgc tcggaataag gcttgctgcc tccttcttat tcttgctgtg 480
attttggtca ttattgtcct agcagtcaca ctcggatag 519

<210> 18852
<211> 519
<212> DNA
<213> A.fumigatus

<400> 18852
ccccctaatc cgtcctgcgg tgattcttgt ttcctcctaa cagggtcttt taggtactgg 60
ggtaaaagag atgcgtcttt gaatctgcca accaattcct ccctttctgt tacccttct 120
cagcgctccc tccgaaccct cactaccgcc tcctgctcag ctatctaccc cgctgcagac 180
gagctcatct tgaacggcaa gccacaggat attcagacct ccaaacgtac actcgcttgt 240
ctctccaacc tacgttccct ccgtcaggct ctcgaaaatg ccgacccctc attgcctaaa 300
ctgtctactc tcccgttgcg aattgtttct gagaacaact ttcccaccgc tgcggttttc 360
gcaagctcag ctgctggttt cggcggccat tgtccggtcc gtggcagatt tctatcagct 420
tccacaatct cctctggagc tcagccgtat tgcccgtcag ggttccggct ctgcttgtcg 480
atctcagatg ggtggttacg ttgcctggcg tgctggtga 519

<210> 18853
<211> 210
<212> DNA
<213> A.fumigatus

<400> 18853
gtttgccctg acttggaacc acttttcgct tctagttcaa gccgagaacg gtttactcat 60
ttcatattct ccagtctccg ccgtggtttc caggtctacc gtgaggtctg cgccagctgc 120
cgctctctta cccgtgtgcc ctggcgttcg tttgttggtg tcatgcacac tgtcgacgag 180
atgaaggcct tcgccgagga acacgaatga 210

<210> 18854
<211> 345
<212> DNA
<213> A.fumigatus

<400> 18854
tgtggaagat ctcggaacga ccaaagtact gatattacca agcacggaat tggatgggct 60
ttgggagtcg tatgtgattt tcttttcatg cagcataggc aacaaactaa cgaatatgag 120
cagtctgcag tacgaccaac ctctacagtc aacactgctc cgcgccataa ctcgaatggg 180
tgggtaatct tcactgatac tgcattatta ggaacgtcat gtaactgtct catagtgtcc 240
ttctctgctc ggaagcttga taaatggacg atcaattgga ataggctaat cctcctttgg 300
ggtcccccgg gaacagggaa aacgagtctg tggtacgtca aatag 345

<210> 18855
<211> 765
<212> DNA
<213> A.fumigatus

<400> 18855
tcgttaactg acaggatcag ccgtggcctg tcccagaagc ttgccatacg cctcggaaag 60
cattacccac agagtaagct ggttgagatc aacgctcact ctctcggaag caagtatttc 120
ggtgaaagtg ataaattggt cagcaaagcg ttcgagagca ttgagctact acttgaagag 180
gaggaagatt cttttgtctg cgtgtttgta gacgaaatcg aaacgctggc agcccgaagg 240
gaacgcgctt tgagtagcaa agagccgttt gatgctgttc gagcagtaaa tgccttgctc 300
acaggacttg acaggctgaa gcaccatcac aatgtgatcg tgatctgtac aagcaatttg 360
gtgacagcct tggtaagtgt atcaagcaaa gccctgtcga gggatatact gaagagcgtc 420
caggaccagg ccttcctcga tcgcgtcgat atcaagcagt tcgtacctca tttatcaaat 480
aaaaccattt atgggatcta caaagaatgc ctggaagaac taagctggcg aggcattatc 540
gagggcgcct cgtttgacgt tgttcaagtc aaaccggaag atccacagac ggccttgcaa 600

tatgtggagc agcctgcaag gttcctgatg ctaccaatgt ttgaagaaat gcttctcaac 660
tatcagatct tcccgaacgc catacccaag cagctagcgg atgccgcttc cgccagtgtg 720
gtgagcaaca gatcccgagt tgaagacatc acggcaggtg cctaa 765

<210> 18856
<211> 381
<212> DNA
<213> A.fumigatus

<400> 18856
aggccttcgc cgaggaacac gaatgacgat accgagccca acgaccaagg cgagatcgag 60
aagcgccccg gaaagctctc tgactacatt ccccctccct acaagaacga ggaggccgct 120
cgtgccgcta acggtggtgc tctgcccccc gatctcagct tgatcgtcaa gggtcgtcac 180
ggtggctgca attacatctt cagtcttctg accggttacc ccgacgagcc ccctgctggt 240
gctcaggtcg ccgagggcat gaacttcaac ccttacttcc ccggcaccgg tacgttttcg 300
ttaccatact tgatcttagt ctcgactaat ccgcatctta ggtattgcca tggcccgtgt 360
cctgttcgat ggtgtcgttg a 381

<210> 18857
<211> 288
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (285)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18857
tctcgactaa tccgcatctt aggtattgcc atggcccgtg tcctgttcga tggtgtcgtt 60
gagtacgagg atggcacccc tgccaccacc tcccagatgg ccaaggatgt caccgagttc 120
ctcaactggg ctgccgagcc tgagatggat gaccgcaaga agatgggtgc caaggccctc 180
gtcatcctga ccggcctgtt tgccctttct gtctgggtca agcgctacaa gtgggccccc 240
atcaagacga gaaagatcgt gtacagccca cccgttcccc ggcgntag 288

<210> 18858
<211> 1230
<212> DNA
<213> A.fumigatus

<400> 18858
cgcaataagc taactgacca cagaagcgag gctgtcctac cgcattattg gttggcgaaa 60
atgaccgtac agtttcctac ttcggacggg gaagcagacc ctggggctac ttcaccctcc 120
aagttcaatg cccttcaaac attccggcga ttatgggaac ttgtcagccc agctcgcccc 180
gaggatatct cttcccgaga gaccgattgc catcctccca agaccaccgt tcagagacgc 240
cgacaatcca tcgcggatca gtcacttgac cgagacgaac acctcgctga gaaggtcaca 300
agtcaccgga tcgaggatac tgtacctccc gagaagaccg ttctatacct cgcctatggc 360
tcgaacttgt gtgcgaagac cttcctaggc aagcgaggga tcaggcctct gtctcagatc 420
aatgtcgtcg ttcccagctt gcaactgacc ttcgacatgc ccgggattcc atacgttgag 480
ccatgttttg cagcaacctg gcgccgtgcg cacctatcga aggaggcaga ggcaggagaa 540
attggaaccg tcgaaagccc ggcggacgca gatacgtttg agcaagtcgc cctcctatcg 600
gaaggctctg catctatgcc tcttgtcgga gttgtgtatg aagtgactat caccgattac 660
gccaagataa tcgcaacgga gggtggtggg ggcggataca aggacatcgt ggtggattgc 720
tatcccctcc cgaaatccca aagtccgacc gatccaatac ccgaacatcc tgaaacgaag 780
cccttcaaag ctcacactct tctatctccg agcgaggatc cagatccttc tcatctgact 840
agcaaagatc gcaagctccc ccctccatac aggcgtccta aatcttgtta cgcccagccg 900

tctgctcgct acctcgatct gatcaacacc ggtgcagccg aacataacct cccgcttccc 960
tatcgtaggt acctctcgca gttccagccg taccgtatca cgaccgtgcg ccagatgttc 1020
ggcaaagcca tattcgttgc attatgggta cctgctctca ttactatcat atcactttcg 1080
aaactgctgg ctggtcctga tggtcgcagt ccgccgtggc ttgtgcgagg gtcgaatcta 1140
ttgttcaatg taatgtggac tacgtacgac tacttttttcg cacccatatt tggtgatgga 1200
gagcgaacta tggaagatac gtgctcataa 1230

<210> 18859
<211> 396
<212> DNA
<213> A.fumigatus

<400> 18859
tttgattttg gtatagaagc tgctattgac agaagtttag ctgtgaaagg cggcacaggt 60
cctgctgatg ccctctatat tgatgacatc ccggttccgc ctattagtgg caatcaggcg 120
ctggtgaaga tcaaagcatt cggattgaac cggatggatc ttgttcagcg tgagggccaa 180
tatccgcttc cgcctcaggc gccggaaacc atgggagtgg aattctcagg gactatcgag 240
aacctgggac cagacgccaa cagggacttc aaagttggag atgaggtctt cggcctggct 300
tatggaggtc agcttacgaa aactgctatt tgtcttacca cagctgacaa ttcgacgcac 360
aggggcttat gctcaataca ttgcagtatc tactaa 396

<210> 18860
<211> 372
<212> DNA
<213> A.fumigatus

<400> 18860
acttggatca cagcgactca ggcactctat cttgttggtg agtacaagcc gggccagtct 60
gtcctgtggc atgcaggcgc atcgtcagtc tctatcgctg gtatccagct tgcaaaggca 120
gacggagcca aggcaatcta tgtaaccgct ggctccgatg aaaagataga cttctgcgtc 180
aagaagctcg gtgcgactgc tggattcaat tatcataccc aggactggtc cgctgaaatc 240
cagaaagcca ctaacggaga gggcgtaaac atcattgtcg atttcattgg cgccacttac 300
ttccaaggaa atctggatgc tgctgcgaaa gacggtcgca ttgtcaatct tgctgttatg 360
ggctatgtgt ag 372

<210> 18861
<211> 255
<212> DNA
<213> A.fumigatus

<400> 18861
ctacctgaag gtgtaaacat tgccccattt cttcgcaaga ggctccgatt tgagggcagc 60
actctgagga gcagagacga acaataccaa aagaagctac gcaataccct tgtagagcat 120
gctttaccca agttcaagga tggaagtttc aaggtgtttg tggagaaggt ctttccgatg 180
gagcaaatta tcgatgcgca taagttgatg gaaagcaatc agaccaaggg aaagattata 240
tgtactgtgt catag 255

<210> 18862
<211> 213
<212> DNA
<213> A.fumigatus

<400> 18862
tacacttacc aaggctgtca ccaaattgct tgtacagatc acgatcacat tgtgatggtg 60
cttcagcctg tcaagtcctg tgagcaaggc atttactgct cgaacagcat caaacggctc 120
tttgctactc aaagcgcgtt cccttcgggc tgccagcgtt tcgatttcgt ctacaaacac 180

gcagacaaaa gaatcttcct cctcttcaag tag 213

<210> 18863
<211> 1059
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (40)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18863
ctggccatga cgtctatcct ggggaggacg tacccgctgn gaggcatcat tacagggatt 60
ggccaagtgg agggtgtcac ctgtatgatt gtggctaatg acagcactgt caagggagga 120
acatactacc ccattaccgt gaagaagcac ctccgtgcgc aagcaattgc ccaggagaac 180
aagcttccat gcctctacct tgtcgattcg ggtggtgcca atctcccgca ccaggcagat 240
gtcttccccg acaaggagca tttcggacgg atcttcttca accaggccag aatgagttct 300
cttgggatcc ctcagatctc ggtggtcatg gggccctgca cggctggagg cgcctatgtc 360
cctgccatga gcgatgagac gatcattgtc gagaaccagg ggacaatctt cctggctggt 420
cctcctctgg tcaaggcagc gacgggtgaa gtcgtctccg cggaagatct gggtggtggc 480
cagctacaca gcaccatctc cggtgtcacg gattatttgg ctgtggacga tgcccacgcc 540
attgtcctcg cccggagatc cgtcgccaat ctcaactacc ctaaaacaag cgtacctcag 600
gtctccgcag ataccatcaa ggagcctctg tacgacccgg ccgagctcga cggcatcgtc 660
ggaaccaatc tccgccggca gataccagcc cgcgaggtca ttgcccgtat cgtcgatggc 720
agcgagtttg cggagttcaa gcgtgactac ggaactaccc ttgtgactgg atttgctcgt 780
atctatggcc accaggtcgg tatcgtcgcg aacaacggca ttctattttc cgagtcttct 840
ctgaaaggag cgcacttcat tgaactgtgc gctcagcgca agatcccctt gctattcctt 900
cagaacatct ccggcttcat ggtcggagca gatgcagaga agggcgggat cgccaaaaac 960
ggtgccaaac tggtgactgc agtggcttgc gcggacgtcc ccaagtttac tgttgtgttt 1020
ggatccagcg ccggagcagg aaactatggg atgtggtaa 1059

<210> 18864
<211> 315
<212> DNA
<213> A.fumigatus

<400> 18864
ctctgctgcg tctcttatag cggccgcgcc tactccccac gattgatgtt catgtggccc 60
aacgcgaaga ttggtgttat ggggtccgaa caactatctg ccgtcatgga ggcagtcggt 120
agaaccgccg atccggaact gaaagcacgg atcgaccgtg agtcggaagc aatcttttct 180
tccgctcgtc tctgggacga tggcgtcatc ccgccagcac aaacgagaca tgttctgggc 240
ctgagtcttg cagctgctct tggtggcaga gtagatgagg atgcgcagac tcgttttggc 300
gttttcagaa tgtaa 315

<210> 18865
<211> 270
<212> DNA
<213> A.fumigatus

<400> 18865
atgccaaagg atatcggaat tcttctttac tttcatcttt catacagtct atgcatactc 60
cttgttgaaa gcgcgcccga taaccatccg tctgatctca ctcgtaccgg ctccaatctc 120
atagagcttc gcatcccgga gcagccgccc agcagggatc tcgttgatat acccattacc 180
acccataagc tgaatagcat ccagagcaca ctcggtggct ctctcggcag cgtacaggat 240
ggcgccggcg cagtcctgcg ttcggattga 270

<210> 18866
<211> 231
<212> DNA
<213> A.fumigatus

<400> 18866
ttactactca cgtttgtgat ccacatcttc gtcccgttca gcacccagcc accgtcgact 60
gctttagcag tcgtcttcat actgaccaca tcggagcctg cggagtgctc tgacatagcc 120
aatgctccga tcttctcgcc agacagaaga cctgggagga accgagcctt ctgttcttca 180
gtaccgttca aggacagttg gtttacgcag agctgcgaat gtgctgcgta g 231

<210> 18867
<211> 516
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (458)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18867
catttccttt gctccacagt catccccgca atgcgtggcc catctccgct cctccgcggc 60
ttgtgctcca gagcaaccgc cctttcgtat cctcgacgac tcccgaccca aagacaccta 120
gtgataacat actcccgtgt ctcatcacga tctgtggcca gctatacaca tccgcatcat 180
gccagcgcca tctccgtgct ccccactgcg gtggacacca cctccgatga attccgggag 240
aatgcacgac agatgaaaga attggtggac cgaatggcca gcctacacaa gaccattgca 300
cagggaggac cgcaaaaagc taaggagaag cacgtcgctc ggggaaagat gctcccgcgc 360
gatcgtgtca cggcgctcat tgatccaggg acgtccttcc tggagctttc acccttagct 420
ggccatgacg tctatcctgg ggaggacgta cccgctgnga ggcatcatta cagggattgg 480
ccaagtggag ggtgtcacct gtatgattgt ggctaa 516

<210> 18868
<211> 264
<212> DNA
<213> A.fumigatus

<400> 18868
actgtgcgct cagcgcaaga tccccttgct attccttcag aacatctccg gcttcatggt 60
cggagcagat gcagagaagg gcgggatcgc caaaaacggt gccaaactgg tgactgcagt 120
ggcttgcgcg gacgtcccca agtttactgt tgtgtttgga tccagcgccg gagcaggaaa 180
ctatgggatg tggtaagcac cctcgttatg ctgttattat ctcggagaca gtgcattagg 240
ctaactctgc tgcgtctctt atag 264

<210> 18869
<211> 474
<212> DNA
<213> A.fumigatus

<400> 18869
acgccatctt cggctcgcca catggtgcta accatctttc tctcactctc cagggaactt 60
tacatgaagc agggtcaagg ctttctgctc gtattctcca tcaccagcat gtcatcgttg 120
aacgagttgt ccgaattgag agagcagatt atccggataa aggatgatga gaaagtcccc 180
attgtcattg tgggcaacaa atccgatctg gaggaagacc gcgctgttcc gcgagctcga 240
gcattcgccc tttcccagag ctggggtaat gctccctact atgaaacttc ggcgcgtagg 300

agagcaaatg tcaacgaggt ctttattgat ctttgccggc agataatcag aaaagatatg 360
caaggaaact cgtccagcgg ttccgacaat tcagcgagaa agcgtgaagg taccggtcgc 420
tacgataaga agaaagaaaa gaaacgacga aagggcccttt gtgtcatctt atag 474

<210> 18870
<211> 525
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (444)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18870
ctggccacca cccagatctt ccgcggagac gacttcaccc gtcgctgcct tgaccagagg 60
aggaccagcc aggaagattg tcccctggtt ctcgacaatg atcgtctcat cgctcatggc 120
agggacatag gcgcctccag ccgtgcaggg ccccatgacc accgagatct gagggatccc 180
aagagaactc attctggcct ggttgaagaa gatccgtccg aaatgctcct tgtcggggaa 240
gacatctgcc tggtgcggga gattggcacc acccgaatcg acaaggtaga ggcatggaag 300
cttgttctcc tgggcaattg cttgcgcacg gaggtgcttc ttcacggtaa tggggtagta 360
tgttcctccc ttgacagtgc tgtcattagc cacaatcata caggtgacac cctccacttg 420
gccaatccct gtaatgatgc ctcncagcgg gtacgtcctc cccaggatag acgtcatggc 480
cagctaaggg tgaaagctcc aggaaggacg tccctggatc aatga 525

<210> 18871
<211> 306
<212> DNA
<213> A.fumigatus

<400> 18871
atattcatca tcctctttcg ttgcctgcga attctcgaat ctctcctgga agagtgttta 60
ttgtcattca caaatggctt ccgtagcatc cctatttcgg acttcgtcca ggacccttg 120
caggataaga acgccgctca tctacactcc cgcatcaagg tcgctggcaa ccaaacatcc 180
caagggattc gtaccgccca ccgaggacga gctgctggag ttgagagagc gagtacaaga 240
gttcacgagt atgtaatgag ccttttttttt tcatccgaat ctcaggttat atctgccctt 300
gtctga 306

<210> 18872
<211> 387
<212> DNA
<213> A.fumigatus

<400> 18872
ttgtcggtcg tctgcgctgt aggaggtgtg ggaaaaagtt gccttactgg tacgtacgct 60
tcttttcccg tttcaccctt gtccccctc ttcactcgca gcgagaactg cgtcgttgag 120
tcaagcatct ccatccatga ggcacgcgat ctgacttcca cagctcaatt cgttcagaat 180
gtgtggattg aaagctatga tcccacgatt gaagactcct atcgaaagca gattgaggtc 240
gatgtgagtc gctttcgacc tttgcgctgg aattctaata ctgacttttc cagggccggc 300
aatgcattct ggaaatgtat gttttcgcag gaccttgttg tctgggagaa ttgccaccga 360
tgctggcttg agagtactga cacatga 387

<210> 18873
<211> 282
<212> DNA
<213> A.fumigatus

<400> 18873
ggccctgacg cagactacat tgttgtctat gccaaaacag agccggaaaa gggctccaag 60
ggcatttccg catttgtcgt cgaaaagacg ttcaagggct tctcctgcgc gcgcaagctc 120
gacaagttgg gtatgcgtgg atcaaacacc ggagaacttg ttttcgaaga cgtcttcgtt 180
cccaaagaga atctcctcgg ggagttgaac aagggtgtcc gagtcctaat ggaaggtctt 240
gatctcgagc gtcttgtcct cagtgctggt ccactcgggt ag 282

<210> 18874
<211> 426
<212> DNA
<213> A.fumigatus

<400> 18874
ttgggattca atagaatcat gcaagcagcc ctggatctcg tgctcccata tacccatacc 60
cgcaaacaat tcggagcccc cattgctcac aaccagctta ttcaaggaaa gctggcagat 120
atgtatacta agctttcagc atcgcgagcc tatacctatg ctacggcacg acatattgat 180
aactccgcag ctaccggcga ggtttcaatc cgaacgcagg actgcgccgg cgccatcctg 240
tacgctgccg agagagccac cgagtgtgct ctggatgcta ttcagcttat gggtggtaat 300
gggtatatca acgagatccc tgctgggcgg ctgctccggg atgcgaagct ctatgagatt 360
ggagccggta cgagtgagat cagacggatg gttatcgggc gcgctttcaa caaggagtat 420
gcatag 426

<210> 18875
<211> 276
<212> DNA
<213> A.fumigatus

<400> 18875
tctgcaggga gtatcgcttt gtcctacgca gcacattcgc agctctgcgt aaaccaactg 60
tccttgaacg gtactgaaga acagaaggct cggttcctcc caggtcttct gtctggcgag 120
aagatcggag cattggctat gtcagagcac tccgcaggct ccgatgtggt cagtatgaag 180
acgactgcta aagcagtcga cggtggctgg gtgctgaacg ggacgaagat gtggatcaca 240
aacgtgagta gtaatcaaac ctacaacagc tcttga 276

<210> 18876
<211> 213
<212> DNA
<213> A.fumigatus

<400> 18876
ggaaggacgt cagtatgggt aagtgatgcg acatctttac cagaagcgag aagaatagga 60
gtgtctaact ttcagcgaag acgaggaaaa tctggtgggc aggtgcgcga cgaataccgt 120
gaagagtacg atcctggccg cggtggttat ggtcgggcat acgcagatga ccagcgcagg 180
cgggaagaag aagagtacgg caaaggtagg taa 213

<210> 18877
<211> 1146
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (955)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18877
ctcctccctc gtttgaagat atcacccttt gttcgcgaaa ccttattgat tacttcgcaa 60
ctgtccgaaa aaaatggctc tgcacaaaac gagaggattc cctctcttac gcgatggtac 120
atagacacgc gtcaattgac agtgacaaat ccatccctcc cattgttgga gaccctccaa 180
ccatcggacc aagaggccgt caagaggttc taccacctca gggacagaca catgtccctc 240
gcctcaaacc tgctgaaata cctctttatc caccgctcct gctgcatccc ctggaataag 300
atcagcataa gtcgcacacc cgatcctcac cgccgaccat gcttcatccc ctctcccgcc 360
ctaacggagg ccaccgacga gcccatcccc ggcatcgaat tcaacgtcag ccaccaagca 420
tctctcgtag ccctcgcagg cacaatcatc ccacagtccc atggcgcaag cccaaacccc 480
accacggtat tcgccaaccc tagcccatcc tcagtcccag ctccctccgt cccacaggta 540
ggcatagaca tcacctgcgt tgacgagcgc catgcacgca caagctccgc cccatcaacc 600
cgcgaccaac tagccggata tgtcgacatc ttcgcggaag tcttctccag tcgcgagctg 660
gacacaatca agaacctggg cgggagattc ccggctgacg cacaggatgg cgaagcggtg 720
gagtacggcc tccgcttgtt ctacacgtac tgggctctca aggaggcgta tatcaagatg 780
actggtgagg cgcttcttgc gccgtggctg cgggagctgg agtttacgga tgttattgcg 840
cctgagcctg cccctgcgcc ggggcagggc tcggcggaga attggggcga gccgtacact 900
ggtgtcaaga tctggttgta tgggaagaga gtggaggatg tgcggattga ggtantcgcg 960
tttgacacgg ggtatatatt tgcgacggcg gcgcgggggg ccggattggg ggccgaaagt 1020
cggccattgt ccagggatgc gggcgtctct gtctcggtag atcgctggat gcatatggag 1080
aatatcgata tcgacaggga tattgcacct tgtgcgacgg gtgtctgtca gtgtacaaaa 1140
aaatag 1146

<210> 18878
<211> 309
<212> DNA
<213> A.fumigatus

<400> 18878
ttctctaaag ttccttttac acaacagagg agcaaattca tgagcttttc tcaaagtcag 60
cagacccgca ggcccatcat ggtgcgaggc ccaaaactaa caggcgcata taggtgcggt 120
gaaatcaagc gccttgtaat gggcctggac cgatacaaca aaacccccctg tggcttctgc 180
ttcgtggaat actataccca tcaggacgcc ttggattgct taaagtatat cggaggcacc 240
aagcttgacg agagaattat ccggacagat cttgaccctg gctttgagga aggacgtcag 300
tatgggtaa 309

<210> 18879
<211> 525
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (76)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18879
tcctgctcgc ccaatctgct aatcggacca aagaaaggcg gacaggacct cctcggcggc 60
ttcgacgttc gcgtanacag aaatcacttt ggccggcaaa cggaaagttt cgaggcgccc 120
ttggacctgc cgtttttggg ccccacggag cattctttcc ctgcagtctt tatccgggcg 180
cccgtggtgg aaaaaattct gcctcatcaa caaggtatcc aggtggacga aacccaaagg 240
gacgagacgg tggtggcgcc ttcgagacag cctcaggatc aggcggccaa agcggcgatg 300
gcagacgaag ttgaagtact agcacgtctc tccggccgag cagctgaact agccgccgtg 360
ggaacacata tcgatgcaga gaaagagacc ggtgatatcg ttgcagtcaa acagggtaat 420
gtgttcggaa caagctttca ccccgagttg actggtgatg ccagaataca ttcctggtgg 480
ttgcgccagg tggaggagtc ggtaaggaag aggaatggga tataa 525

<210> 18880
<211> 246
<212> DNA
<213> A.fumigatus

<400> 18880
ccctggcgtg atcaagctca aaggtgtgtg catgtgggga ttgttattgc gctgtatgag 60
actaactggc tcctcctagt tttacctccc atcagcacgg agggcttgac cgctgcggat 120
gtcgaccggt tgaccaagac cgcccaggag agcatgctca aggctctact cgaactctcc 180
gatcaggatc gcgatgagat cgactccgat gtcaagaagg ctacttccac tgctgtcgag 240
atctga 246

<210> 18881
<211> 309
<212> DNA
<213> A.fumigatus

<400> 18881
cctaagcgcg gagcctggcc gccccgtggt gaacacgggg aggagatgcg caagtacaga 60
cagagcgtgt tcatcttccc cgaaggaacg aggagttatt ctgagaaacc tgagctgctg 120
cccttcaata agggcgcgtt ccatctggcg gtcaaggcgg gggtgccgat tgtccctatt 180
gtcgcggaga actactcgca tatcctgtcg ccgcggaata tgcggtttaa ccctggcgtg 240
atcaagctca aaggtgtgtg catgtgggga ttgttattgc gctgtatgag actaactggc 300
tcctcctag 309

<210> 18882
<211> 300
<212> DNA
<213> A.fumigatus

<400> 18882
tattgttttc tacagtcagg aattaccatg gccagcatca ctgtcggagt tctcgcttta 60
cagggcgcat tctatgagca catccagctg ctgaaaaagg cagtctcgga acaaagctcc 120
actactcaat gggagttcat cgaagtgcgg acaccacagg agttggatcg gtgtgatgcg 180
ttgattctcc ctggaggaga gagcacgact atctctctcg ttgcggcccg atcgaacctc 240
ttggagcctt tgagggactt tgtgaagtat gttcgcgcaa taaccgcgag gctatcctag 300

<210> 18883
<211> 1296
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1110)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18883
gacatccttg tcgctgcatc gaaagtggat gtggatgctc tgatgatggg cgaggacgat 60
gagctctcgg tggaagacaa cgatcaattg tcggccactg ttatctgcct ctcgacgcgc 120
actggcagag tccatatctg ccttgaactt gatggcgtcg aggggcagtg gcttcccaag 180
ctcaggaaga acgccttcag tactcccttg tctgagccat ctgatttggt cttggttgag 240
tcattggata cgctcagaca agaagaccag catttgaacg actggccgac cttcactaat 300
gatattgtgt ctcgatacag tttcttcgtc acaactgcaa ctaatgtcac gtctatttca 360
ctaagttcgt gggtgcagag gcttgaggcc gagctccggt cagaggatac tgccggctcg 420
gctttccgtt tgcaagtact atgcgaaggc acggtatctc tcagggagcg gatcatcgaa 480

gtagatgatg atggcagtgc tgctaaaggc gaatcagacc atctggcctc ttctctggtc 540
ttctacgact atgatcttgg ttatttgctg ttgagccacc acgcgtctcg cccatatgct 600
gccatcatgg atgcgcctga ggctagcctt ccaccagttg cagatatggg accaattggc 660
tcaggggcgc agcagtcgac atctattcta ccacctaaaa gacctcctta ccaagtccct 720
tcaatcctct attcggactc tcctctggaa ttcttcgttg agaagcatgt tccccatcga 780
caacgccaat cactcaaaga gcaggtgcgc ttatcaccag caacgctcga cctagttgct 840
gctgcacacc gcattctgtc tgctcataca aatgctcttg agcgagcagc atcggacctt 900
ttccgtcgct gtgaacggct gcaaggggag atgaaggagc aactgaagca gctatcggac 960
gtggctgagc gcatcaaggg ggtctcgagt gatattggcg aagatggtca acggcgaggg 1020
ggctcgaaga gtgatgaggc gctggacaag aagctgaaag ctgcaaaaga gagacaggcg 1080
caattagttg agagaaacga gtcgctccgn aaacaagttc tgaagtcagg tggtcgtcca 1140
ctgagcgaga aggagaaagc atggctttcg gaagtggagg ccctatctgc ttcgttggag 1200
agagagaaga acgaagaaaa aaaggatcag agtttgtcac agcgattgga aaccgtgagt 1260
ttcattggtc tcatgaacca cacactgtgg tgctga 1296

<210> 18884
<211> 375
<212> DNA
<213> A.fumigatus

<400> 18884
gagggttttg attggcacgg acccttccag ccccgtgatg aagacgctct tttgatcttc 60
cctactgaga acctggcgcc atcccttgcg ccattgttgc atcctgacct acgtaaagat 120
attgctacca gggtaaatga agctatcctg caaagccagg gtgcccgtaa agaagctcgg 180
ctgcgcaatc tggttaaatt acgcgcctgg gcggagcaga aggcccgaga agccaagaaa 240
gatcttcctg agaagctcga cctcggactc tatgatggca acaacgtaaa gaacgctcag 300
agcaccagtc agaatggtga ctcaaatgat actgtaatgg ccaacaacgg agatgttgac 360
ccgatgattt catga 375

<210> 18885
<211> 2484
<212> DNA
<213> A.fumigatus

<400> 18885
tattgcaatg acgcccttgc accccgcggt gaagaccgct gcattggact gcttaaagat 60
atttatctca agacatctcg caccgaattg aagctggcta tagtcgatag ctttctccaa 120
cggacaacag atacagaaga aagcgtagcc actttggcgc gacagacttt tgaggaggtt 180
tggcttaccc cgtttcatga gcttatcgat tcatcacaag atggctcgaa gctcagagtt 240
ggtctgggag agcgggtgac gttgatcgca agcttggtgc agcgcagcga gactgctctc 300
gaaacattag ggttttgttt gaagaagatt ctatcggaca attccaagac ggcctcattg 360
aacttcaaag tttgcaaagc gatggttgca acgatgttcg aaaagttagt tgaggatgag 420
agctcggaga aggagttcca gcaggctctc cttcaaacga tcacagtatt tgccaaggca 480
aatgcgaagc tattcagccc tgatcaacta gagacccttc atccttacat cggcaatctc 540
gccactgcgg aggatttgtt cattttcaga tccgtggtgg taatttatcg ctgtgtcttg 600
ccatacctt cgtccgctca caatagtctt ctgaaagaag tgcaaaacga tcttttcaaa 660
agtgtagcca aacttgctcg ctcagagctc aacgaagtta tggcctgttt gtggacaatc 720
aatggcgttt tgcgcaacac tgacagactc gtgaaactga ccatatcggt tttgaaaccg 780
attcaacatt atcgaaatgt cgatcttgca gataatgcta attcggctat tgtggccaga 840
gccaagagct atattcgaat tgccggctgc gtcgggcggc attgcgatct agagaagtat 900
gagcctcatt tcaagaacgc ttttccgtct tggaaaggcg gatcggtggc tgggttaatg 960
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agaaagattc tttccatggt cttcaaagaa gacaatgcaa gccttcagaa tatcgtactg 1140
aaatcctttg cggagttttt tgccatgcac gagggcaaag cagagaagtc agtcgtgccg 1200
tctgctgaaa aagcggacca ggagaactca accagactgg gtggctcatt aaaagcaagt 1260

gacaacgacg gggctgccgc tctgatagct caacacttcc tacagagcat gcttcgagtc 1320
gcgcaatctc ggcaggacgc gtacgctctc actgccattg aattaattgc tagcattaac 1380
cgtcaaggac tggttcatcc caaagaatgc gcaggcgtgt tggtttcact ggagacatcc 1440
accgtgccag ccattgccaa ggttgcgttt gacacacaca aaatgttgca tcaacagtat 1500
gaatcaatgt ttgaaagaga atatatgaga gccgttcagg aggctttcta ttaccaacgc 1560
gatgtggtcg gtgatcccag cggcgctttg gcccgacctt acatcgcaaa attggcaccg 1620
ctttttgata ttatcaaaac cagtaacagt cggtatcaga aaaaatttct gtccaacctg 1680
tgttcgaagg tagacttcga attgaagaag ctcgacagca ctggggatcc gccagagcat 1740
cttctactta cgcgatttgt ggctcaaaac ctggcattct tcgattatgg ccagcttgct 1800
gagctggtct cagcagttga gtgcatggag cgcattgtct ccgcgacagg aacagtcgta 1860
gcccattcaa tcgaaataga gatttttccg cctaggatgg aggcaccact gggagaactg 1920
tcatccgaac ctgtgccaca agggccaggc aatgcagagc ctccacccca agtcaatccg 1980
tccgtgttac ggcaactagc gacagcagcc gcatccctct caatgctttg ggaggctcga 2040
acataccttc gccgtctgta cgggatacat gcccatgtac gagagaagga cggcaaagct 2100
gcggccaagg agctgaacaa gtccgccacc aaagtgcaag gtgtgaccgg cgacaaattt 2160
tgggacgcca tatctcggaa catggaagca ctgaatagcg aagatcaaat gatcagcaaa 2220
tgtcgagaat ttgccacctt gcttgcgatt gacgatgaat tcaaggtcgg ccaggatgag 2280
gatgctgaag gcaacagctt cgacgctgtc gctgacctag acgacaccgg gcctggtcca 2340
ggttccctcg gtgggcagcg acctggcaaa cggaggaatt ctgtttcatc tcaaaatccc 2400
gcgaagcgac cccgtggaag aaagagcggc tctggcaaga aaagagccag cactgaacca 2460
gaggatgaca tgatttggga ctaa 2484

<210> 18886
<211> 915
<212> DNA
<213> A.fumigatus

<400> 18886
aatcatccag ccagcatcga cagaatccga cactgccgaa tagaagcacc tagccgcaca 60
cctcccttgt acgccatgag cacggcgcta ctccgaagcc gcccaaacac tgcggcgctc 120
aggaggatct gtcttgtatc acatagaggt caattcccga aacctaactc ctcaattagc 180
attgttacgt ctcgagcttt acatacgacc cggcggcgac cagtgaccca gcagcgcatc 240
tcaaatatcc tgcacagtgc gtcgttatca gttcgatatg agtcgacggg aaaggaccca 300
atggctaaag cggcccgcaa atcccctgcc ctcaacatac tcgtaaagag cttcacatac 360
tgtggatttt tcattgtcat gactggtgtt gcagtagtcg cgttcttcat ctacgatgcg 420
accacatacc gtgaagaccc tagctctgaa gacattcctg tgtctgaatt ggcacttaac 480
cctcgacgcg ggggcccgaa gaacctgcct atagcggagg tcctggtggg agacaacgac 540
tcggaggcga tggtgcagca gaacgacaag ccacgtttgg tcattctggg cacgggctgg 600
ggcagtatcg cgcttcttaa aaatctcaat cctggagatt atcatgtcac tgtggtatcg 660
ccgacgaact atttcctttt cacgcctatg ttgccctctg cgacggttgg gactctgggg 720
ctgcgctcgc ttgttgagcc tgtccggcga atcatccaac gagtacatgg ccatttcttg 780
aaggcagagg ccgaagatgt ggatttttcg gaaaagctgg ttgaggtgtc tcaagttgat 840
gccaatggca aaaagcagaa cttttacctt ccgtacgaca agctggtaat tgctgttggt 900
gagtgcgggc cgtga 915

<210> 18887
<211> 606
<212> DNA
<213> A.fumigatus

<400> 18887
acaagctgtt cgaacagtat gacaaggacc gctccggcac cctcgacttc ggcgaactgc 60
acgaactcct ccaccagatc gacaccaagc tcacctccct cccggccacc gcccagcgcg 120
ccaaccaaca aggccaatat ctgggccgca aactcaccaa gatcgcagct gcgctccccg 180
gcatgcgagc caacgagatc gaacacggag acgtcgacaa catcgtttac aaacccttca 240
gatacaagca tctcggcagc ctggcataca tcagcaacgc ggccgtcttc gacttcggcg 300

gactcaattt cagcggtggc gttctggcca tgtacctgtg gcgaagcgtc tatttcgcgg 360
agagcgtcag cttccgcaca cggtgcatgc tggccatgga ctgggccaag agagcacttt 420
ttggacgagg tctgtttctt cgcacatgtt ctttctcatg aatccatagc taaacttttg 480
tctctcaata gatcttatga gcttctaatc ggaccctctg gatataagca gcctgccctg 540
gcatgccata ggaaaggaca taccaccgtg tccattcatc cttgtggttt gctgttagat 600
cgataa 606

<210> 18888
<211> 450
<212> DNA
<213> A.fumigatus

<400> 18888
gtttggacta caaaaggatg tgtcacaaac ccccacggtg tcaaaggact cgagcattgt 60
aatttcctga agacgatcga tgatgctcgt aaaatcaaga acaagatcct cgagaacatg 120
gagttggctt gtttaccgac tactagcgac gaagaacgtc ggcgtctgtt gtcgttcgtt 180
gtctgcggcg gtggcccgac aggggtcgag ttcgcagccg aattgttcga cttgctcaat 240
gaggacctgc ttcactcgtt cccaaagatt ttgagaaatg agatctccgt tcacatcatt 300
cagagtcgga gccatatcct gaacacttac gatgaggctc tgtctaagta tgccgaagta 360
cgctgtttca cctgtttcgc tgacattaag acgattgacg aggctaatac ctacaggccc 420
gttttaaccg tgatcacgtt gaagtcctga 450

<210> 18889
<211> 942
<212> DNA
<213> A.fumigatus

<400> 18889
agtcctgaca aatgcgcgag tgaaggaggt ccgcgacgac agagttttgt tcactcaagt 60
cgagaatggc cagccggtgg tgaaggaaat cccaatgggt ttctgccttt ggtcgaccgg 120
agttggtatg tgattactat tttggtctgc gacgtactcg gaactgacta ttgcacagat 180
cgcgctgaac tttgcaagaa actctgcgac aagcttgagg cccagaacaa taagcacgct 240
ctggaaactg acactcacct gcgtctaatc ggagctccat tgggcgacgt gtatgccatc 300
ggtgactgtt cgaccgtcca gaacaaggtc gccgataata tcatttcgtt cctgcgcact 360
atcgcctggg agaagggcca ggatccccag aaagtccacc tcacgttccg agaatggaaa 420
gacgtagcca accgagtcag gaagcgtttc ccccaggcag ccaaccacct ccgccgacta 480
gacaagctgt tcgaacagta tgacaaggac cgctccggca ccctcgactt cggcgaactg 540
cacgaactcc tccaccagat cgacaccaag ctcacctccc tcccggccac cgcccagcgc 600
gccaaccaac aaggccaata tctgggccgc aaactcacca agatcgcagc tgcgctcccc 660
ggcatgcgag ccaacgagat cgaacacgga gacgtcgaca acatcgttta caaacccttc 720
agatacaagc atctcggcag cctggcatac atcagcaacg cggccgtctt cgacttcggc 780
ggactcaatt tcagcggtgg cgttctggcc atgtacctgt ggcgaagcgt ctatttcgcg 840
gagagcgtca gcttccgcac acggtgcatg ctggccatgg actgggccaa gagagcactt 900
tttggacgag gtctgtttct tcgcacatgt tctttctcat ga 942

<210> 18890
<211> 774
<212> DNA
<213> A.fumigatus

<400> 18890
tgcaatgacg gccgggaaga ccagcttctc cacttcataa ccagtgatcc ccaaatattt 60
gccatccgca actcgccaga ggcggtactc gccgccgtcg acgagttcgc gcgcaccaag 120
gacttcctaa tgaatgtggg cccatataaa ggcggcatca tcaccgacat tattgccacc 180
gagcagccca gctccattct cgaaatcggc ggctacatcg gttactcggc catcatgttc 240
ggcagcgcca tgcgtgacac aggtgttctg gcccctcgct acgtcagtct tgaaatgaac 300

ccgaagttcg catctgtctc acgcaccttg gttgaggttg ccggtctcag tgacgttgtt 360
gagattcagg agggtccttg tcggaagtct ctgcaccgtc ttgcggcggg cacctcaaac 420
aagggaccca gctcaaagaa gtgggatatt ctgttcttag atcattcaaa gatctcgtat 480
ttgaatgatc tgaaactagc ggaggagtta ggaatagtcg cgcctgggtc aattgtgatt 540
gcggacgata tgaagaggcc aggcaatccg atgtattcag attatgtgat ggctgataca 600
gcgactaaga cggaggccta tatgccgttt gtgggatgtc tgtctgacgg ggggatctcg 660
ttgggaaatc cgtacttgat atatcagact gtgctgcttg aagggttaga gccgacagga 720
cacatggtga gtttctatta tccccgttta ttgcgatttg caaaagcaag ctga 774

<210> 18891
<211> 207
<212> DNA
<213> A.fumigatus

<400> 18891
gtaagagatg tgtactatga agatgctcat aatatccaaa aattgtgtaa tggaatgagt 60
ttaatcatca aactatatta ctatgataaa aacaaaagac tcacagcagt attaaataac 120
atatttctca acatttacat ttgtaatgat cccaaatcct caggcacctt tattctttgc 180
ctattacaaa tttcctcacc cttctag 207

<210> 18892
<211> 186
<212> DNA
<213> A.fumigatus

<400> 18892
aatttggccg cggccgaaat tggaggctat tttgaacccc taaaacatga ttttattact 60
aaatctagtt attcttgcgc tgcggacatt gtaattgcct atggcctaga atatggcagt 120
cactgcagcg tgggggtgcc tattgagggt gttgttctgt atctactacc tgctctggag 180
ggatag 186

<210> 18893
<211> 201
<212> DNA
<213> A.fumigatus

<400> 18893
cctctagatg ttggctgttt ctctcctctt aagtgtgtgt atggctgctt gattaaggat 60
aagatgcagc ttggtttcaa ccatattgac aagtttgatt tccttgaggc ctatccacaa 120
gcttgtacgg caatcttttt agcagataat attaaaagtg gcttttcagc aactggatta 180
ataccactga atctagatta g 201

<210> 18894
<211> 234
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (5)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18894
tcaantaatt ctgtcctaaa aacaccttac aatctcaagc agttgaagaa gcaggaaact 60
atgcttaaga agctacttag ggagcataca tacagccctc ctacccctat aaaggctgtg 120
ctaggtcaga ttatcaaggg gtgtaagatg gcaatgaata acgctgccct tgttgcaaag 180

gaaaatcatg atgtatgtgc tgcacatgaa aagcaccttc aaaagcagaa gtaa 234

<210> 18895
<211> 258
<212> DNA
<213> A.fumigatus

<400> 18895
gttggcatgg tagtgacttc tatcagcgtg tatgtaggca cgaccctaac ctactcctac 60
tgctctgatc gctacaagtc ccaggcagct aaggtttcaa tctttaacaa ctatttccgt 120
caaacatgca ttcactattt gcttttgcgc cttgccattc agactagggt atgtttattg 180
ccattaactc tgtggtctag gtacccttat tattacttat ctagaagggt gaggaaattt 240
gtaataggca aagaataa 258

<210> 18896
<211> 216
<212> DNA
<213> A.fumigatus

<400> 18896
gaagtccttg gtgcgcgcga actcgtcgac ggcggcgagt accgcctctg gcgagttgcg 60
gatggcaaat atttggggat cactggttat gaagtggaga agctggtctt cccggccgtc 120
attgcactag ttggatcatt taattcacag tatattcaag cttcgcgggg agtcccttac 180
caagacattt tcctcaggct tgtaaaaccc ttgtga 216

<210> 18897
<211> 339
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (190)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18897
tatggatgtg cccgctcccc cccgcccccc cccgcacccc ccccccctct cccgcccccc 60
ccccccacac cccccccccc cccccccctc cccacccccc cctccccacc cccccccccac 120
ccctccgcac acccccccccc ctcctccccc ccccccagca cctaccttcg tcgtgcgacg 180
accagtatan gaatacttct gcacccggaa acagacacca tcaacttagg gcttcaaatg 240
ttacgcggtc ccacccaacc catttcatcc aggtttccct acaacaattc gttgccacct 300
ggtatgtctc aacagtgcct cctgaacgcc gaagtttga 339

<210> 18898
<211> 219
<212> DNA
<213> A.fumigatus

<400> 18898
gggttcaaaa tagcctccaa tttcggccgc ggccaaattc tatggtatgg tgatccgctc 60
ggttgcgtga tccgctcgct taccgattac gttagtacca cagggcaatc cttttctgtt 120
gtcacagcct tgagtatttc taatgatctg tctaagttca taattacaca gaatagaacg 180
cttctgtgga tactgttaac tcttagatat ataaggtaa 219

<210> 18899
<211> 231

<212> DNA
<213> A.fumigatus

<400> 18899
aaaaggttga tggcggccgc ctggatgtcc cggatgggag tgaagaccat aatgattgat 60
cagaaatcgc atcagacgcg atgcggtcga gcggacggac tggagagtcg aacgctagaa 120
attctggata gtttcggcct ggcggacaaa gtctgggctc aagcaaacca caccgtggag 180
attgcattat gggtacggcc tccaagttgt ctgcaaaaac aattccactg a 231

<210> 18900
<211> 549
<212> DNA
<213> A.fumigatus

<400> 18900
ctgaacctct gtcgcgtcca gggctccaca gccgatggta agctggaaag gcagagtgtc 60
tccgcgaatt ctaagcctgg atggtcccgg ttccatgagt ccacactcag ccaaggtgaa 120
atagaagagt atctcatgga atttgtgcgg actggaaagc acgttgaagt gaagcgggaa 180
acaatcccca catcgttcga gatcgattac gcgatgatca acgaccatga tgcgtttccg 240
atccgcgtca acctggaaga tgtgccatgc aacccaaaga ctccgtttga tggcgtggct 300
actccgaaca gtgagctcag cgaggctcca tcggatgatt ccggatacgc aggaatgggg 360
acaacggttg aggccaagta tattctcggc tgcgatggag ctcatagctg ggtcagaaag 420
cagctcgggt tgagacttga gggcgaaagc tacaacgatt gtgggggtgt tctggatatt 480
atccctttga cagattttcg tgagctcagc cgcataatca ccaccgttga cattgctaat 540
ccaacctga 549

<210> 18901
<211> 567
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (263)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18901
ttcacagtat attcaagctt cgcggggagt cccttaccaa gacattttcc tcaggcttgt 60
aaaaccttg tgatatggat gtgcccgctc ccccccgccc ccccccgcac cccccccccc 120
tctcccgccc ccccccccca cacccccccc cccccccccc ctccccaccc cccctccccc 180
acccccccc caccctccg cacacccccc cccctcctcc ccccccccca gcacctacct 240
tcgtcgtgcg acgaccagta tangaatact tctgcacccg gaaacagaca ccatcaactt 300
agggcttcaa atgttacgcg gtcccaccca acccatttca tccaggtttc cctacaacaa 360
ttcgttgcca cctggtatgt ctcaacagtg cctcctgaac gccgaagttt gacagtctcc 420
attgagcgac aaaaacaaaa tttgtctgat catgacgcag accagactag ccggattatg 480
gggtcccata ttccggaccg caacgtttgc actaatatgt actcactcaa ttgcatttcg 540
gttgctcgcc aaagacatgt gtcttga 567

<210> 18902
<211> 1338
<212> DNA
<213> A.fumigatus

<400> 18902
tcaccaccgt tgacattgct aatccaacct gatcatccag ccgacattcg aaaacgtttc 60
attatcaagt caaagcatgg aactctcatg atgatcccgc gggagagaaa actggtgcgc 120

gtctacgttg agcttccacc cgaagtagcc aacaggtatc gcgcagatcg caatgcggac 180
atcctcacag agcaggtcgc gactatcatg cagccgtata ctctgaaaac aaatcgcatt 240
gactggtcaa ccatatatac cgtcagctca cccttccttt gctcctttga cgctgtacct 300
ggaacaccca agttaataac aaaccaggtc ggccaacgca tctgccgaaa gatcggtcta 360
cataaccgca tattccttgc tggagacgct atccacacgc attccccgaa ggcagggcaa 420
gggatgaacg tcagcatgca agacacgttt aatctcggct ggaaaatcgc gtccgtcatc 480
aagggtgtat tgcacccatg ggtccttgag acataccaag aagaacggtt gcccgttgct 540
gaaagactga tcgcattaga ccagcgaatc tgccgaggaa tgtgcagcca gcggagcggg 600
catccagagg tgcaacaagg ccacttcgac gaggaccaca agcgagcgct cgaggatgag 660
aattcctcaa tgtcgggact cgctgtaatc taccaaccta attctctggt cacatcaaca 720
gcttgggatg cgcccttgcc aaaagacgtg gcgtcctgca tcagcagacc atctgtggcc 780
cagaacctcc aagtcggcgc gcgcattcct agcgtgctga tccttaacca aagcgactcg 840
caagcatgcc atttgcagca gatcctcccc agtacgggac aatggaatct gcttgttttt 900
ggaggggaca ttgcggatgc ggatcagaag agccgcgtcc aagacctcgc agatgctctc 960
aattcctcgg gttcagtttt tgaaaagtta aatgacccag tctcggtggc gcggcgcggg 1020
tttccggctc tcggcgtgta tctcattcac tgtgcagata gacttagcat cgagctaaac 1080
gacctgccaa tggtcttccg tccttggaca aaagacggtg tagactatgg cagggtttgg 1140
gctgatggag aagcttacca tcatgccggc ggagggaagc tgtactcgtc ttttggtatt 1200
ggggacaagg ggtgtatggc cttactgcga cctgatcagc atctggcttt tctttcggat 1260
attaatgatg tggagagtct ggaacagttt ctgcggtcga tcatgcctga agcgacgcag 1320
aagcctatgc ccatataa 1338

<210> 18903
<211> 1692
<212> DNA
<213> A.fumigatus

<400> 18903
ggcggcgaag acatcattac gatgaggatc gtgaggatat cgaaatgggc gacgacgccc 60
atggaagagc tctccctgga ggagttagct gatgtaaagg cggccaacat cactgattgg 120
gtgctgcagc cacaagttct gcgctcgatc tatcgagaat tcaaggcttt cctcacagag 180
ttcaccgacc aagctggtca gtcagtctac ggacacaaga ttaaaacact tggtgaggtg 240
aactctgcat cacttgaggt ctcctatgtt cacttgagtt ccaccaaggc cgctctttct 300
tatttccttg cgaatgaacc gactgaagtc ctcaaagtct ttgaccaagt tgcgcttgat 360
gtcacactct ttcactaccc tcaataccaa gatattcaca aggagattca tgtacgaatc 420
tcggaccttc cgatcgtcta cacattacgg cagctgcgcc agcaacatct gaactgcctt 480
gtccgcgtca gtggcgttgt cacccgccgg accggtgtct tcccgcaatt gaaatatgtc 540
atgttcattt gccagaagtg caatatcaca ttgggacctt tccagcagga ggcgagcgcg 600
gaggtcaaga tctcttactg tcaaaactgc cagtcgaagg ggccgtttac tatcaactcc 660
gagaagaccg tgtaccggaa ttaccaaaag ctcacgttgc aagaatcccc aggctctgtg 720
cccgccggac gactgccgcg tcagcgcgaa gtcgtcttac ttgcagatct catcgattct 780
gccaaaccag gtgatgagat cgaggtcact ggtatctacc ggaacagtta cgacgctcag 840
cttaataaca agaacggctt ccctgtcttt gccacaatca tcgaggcgaa ccatattgtg 900
aagtcgcacg accagctggc tggtttccac ttaaccgaag aagacgagcg ccagattcgt 960
gccttgtcca gggaccccga tattgttgat aagatcgtgc gctctatcgc gcctagcatt 1020
tacgggcacc aggacgtgaa gaccgctgtc gctctctcgc ttttcggtgg tgtgagcaag 1080
gaggcacaag gcaagatggc catccgtgga gacatcaacg tacttcttct gggtgaccct 1140
ggtacagcta agtcgcaggt gctgaagtac gttgaaaaga ctgcccaccg agcggtcttt 1200
gcaaccggtc aaggcgcaag tgctgttggt cttacagcca gcgtacgtcg cgatccttta 1260
accagcgaat ggactctgga aggaggagct ttggtgctcg cagatcgggg cacatgcttg 1320
atcgatgaat tcgataagat gaacgatcag gaccggactt cgatccacga agccatggag 1380
cagcagacta tttctatctc caaggctggt attgttacca ccttacaagc ccgttgtgct 1440
gtggtggcag ccgccaaccc tattggtggg cgctacaaca gcacaattcc gttctcccaa 1500
aatgttgagc tcacagagcc catcctttcg cgtttcgata ttctctgcgt cgtgcgggac 1560
acggtcgacc caaatgaaga cgagcgtcta gccaactttg tcatcgagtc tcaccaccga 1620
tccaacccca cccggcctct cagggaccag gacggcaact tggtcgattc ggagggcaac 1680

cggatcgact ag 1692

<210> 18904
<211> 300
<212> DNA
<213> A.fumigatus

<400> 18904
gaaggctatc gcctatataa gcacggcaac cgcttgcccc caactcccga agagatcgcc 60
aagcgtgagg cagcccagcg caaggcggaa gaagagaagg agggcgagat cccccaggag 120
ctcctgcgga agtacatcct gtacgcgcgc gagaaatgcc acccgaagct ctaccagatt 180
gatcaggaca aggtcgcgcg actcttcgcc gacatgagac gcgagtctct ggccactggt 240
gcctatccca ttactgtagg tggttttcta acatggtctt ctttcaaact atcgcactaa 300

<210> 18905
<211> 222
<212> DNA
<213> A.fumigatus

<400> 18905
ataataatac tgtatctact tcatcaccga atattcatgc tggatctact tctgtactac 60
tctgccccaa ccatgcctca tgcccatgca atgtcaactt cgctacttgc tcctacttac 120
tcctgggttg actccactct gccgtacccc agagtattta gtcccgtcac tagtcattta 180
gtcgaccaca ctgcagaagt cagtcatccc caatgcccat aa 222

<210> 18906
<211> 378
<212> DNA
<213> A.fumigatus

<400> 18906
cggcggagct gccagccccg tggtgaagat cacttccctg ctcgctggga tcccagatac 60
actctgcact cgggaacggt ggccttcccc gatcgccggg agaactacca ggtccacgcg 120
tccggccctc gcacccctgc caccggctcc aagaccaact actacgccaa ctacaaggat 180
gccgtgaccg ggttcctggt caacggtacc ctgccagtgg acgccaacca gggcgtgcac 240
tcgctgacgg atgtgcccgt gttcgcgcag ggtccatgcc aggaactgtt tggcggagta 300
tacaactcta ttgacatctt cttcaacatg gccgagtgcc ttggactggc acagaccaag 360
aaacccaagg gcaaataa 378

<210> 18907
<211> 366
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (170)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18907
cgttgcgtcg cttgccttct tattttattc tggtctgtta tcctcgcgac gatttctctt 60
actgacggta atcttggtga actagacggt cagatttcac ctcgcctggc tgtcaaccta 120
ggctccaata acccttttcag aaaccgcgcc ctgtctcctg ccggttgtgn tacatctgga 180
tcccgaccgc cgcgaccgac ctttacgaat cctttcctcg acgataccga tagcctctct 240
tctccacggt cggctccggt gggaactctg ttctcacctg tggaacagca ggacatgacc 300
tccaacacac gggagctttt cgtacgtttg tcttattcgc ttggcggttt ctctggacct 360

atctaa 366

<210> 18908
<211> 795
<212> DNA
<213> A.fumigatus

<400> 18908
tcacctgtac tagtgttcca tcacgatggt cctttcgatg cctgcaaccc tcaccgcaac 60
cgcaaagggt cgcgcaccgc tcccatgcag gccttcccca aggactctcc caacatggcg 120
ctgggaggtt ctggacccgt caacaagaat atcaaccttg accaatttca cggtacgatg 180
gaggaagggt tcaatgatta cagctcaacg ggtgctgcaa gaagcgggga ggccgtgagc 240
ttcgacccga aatcacgcat cgaacccatt catggagcag aaagtatggg ccttggtaca 300
agcactttcc ttgagggagc gccagcaagt cgtgctgcga tgcagcgtcg cgcgagcgag 360
aatgagaacc aactctccca gaacggaggt cttcagcgga agaagagtct tgctcaaaga 420
ctacgaggca tcaataagcc gcaaggcgga cggatggcct cccccgacgc ctcctataat 480
cctccactca gctccagcca ctctgggccg cttcgagcga acgagaagaa cccattcttc 540
caagattatg atgacgcttg ggacaagaaa ggcgctcgga tcaacaccgc tgaggaatca 600
cggtcaggca ttgaaggcgg ccgtgcacgg tcttccagta gccccaaaca gagcaccaac 660
ctcgaaagaa ggttcaccaa tgaacgttcg aataccgggg gtgaagatgg gaagagcgga 720
ggcggcggcg gcttcatcaa cagaatgaag agtttgcgga agccccggcc cgagcggcgg 780
atcagcaatg actga 795

<210> 18909
<211> 960
<212> DNA
<213> A.fumigatus

<400> 18909
ccgatcatca aagacatatc tgcgaaggac tatagcaaat attccaattc ttccattatc 60
gacattcttc tcgaaatgcc tgcccttgtc agccgccaaa tctccacccc ggagtctaac 120
atctcggttc agaacggcac caaggtgccg tccaccactt cctgtggcct tcttgtgaat 180
gcagcccgca agggcaatgt ggatgtcatc aggttcctga tctatctcgg tgccgacgtc 240
aatgaatact atgacggcgt gaccccactc ctcgcggcag ccatagccgg ccaggaagcc 300
gccatgactg agctcctcca gaacgacgcg agccccaccg cccgtgacag cgaaggctgc 360
accattttca agctcctcct tgacaacggt cactacaaca tcgcggagat gctaatcaag 420
aagtaccccg acctcaccgt gacggacccg cgtctgccca aaggagagaa atggctccgg 480
gagcagttcg aggagatctc agacaatgtc aaagacccga agagcaagcc tagcaaggag 540
atcctggagt atctcatttc aggtcagctc cctcaggagg agggccgctc cgtctcggac 600
gtctactggg agcatatctt gctgcgttat atcggggatg ttccgctgga tatcaagcgg 660
aactactccc gctctctgcg tctgtcgctg atgggaactt tcgacagatt cttcctcgga 720
catgagggca tcaaggagtc ggctaggctg cttaatagta aattgcctac tactgcttac 780
accatagagg gcaccgtggt ggatggagac gggggatggg tgacggagcg ttggagctac 840
catgacgcct atggcatcga tgtgagagat ggtatagatt cgttcttgat cgatagtgag 900
aagggaaaga tcatggtcaa gatgatcaac tataacgttt gcgagaagac gaagggatag 960

<210> 18910
<211> 279
<212> DNA
<213> A.fumigatus

<400> 18910
acggccgacg gatcgccctt gttggcgggc gacgttctag cttcttccct cccgtggtgg 60
gctactatgt tagccgttgc catgcctgct ctggagatgg cccttatcat cgcagggtgg 120
ctgtactgcg gattgaacgc aaagagactg gcaccctcgg gtgtcgttgg ccacggaatg 180
ctctggctgt ccgtcgtcgt gggcctttcg ctgtgtattc gtgccttgtt cacgctgcgc 240

aaccagggga aaaggccgtt tggtagggat ctggcataa 279

<210> 18911
<211> 654
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (5)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18911
atacnatctg agctcccgtc gcattctacc agccccgtgg tgaagaccat gggcacagcc 60
ctggcgtctc ggttcctcga agagaagtac aaggtcgccg tatggaatcg atctccagaa 120
aaagcaagct ccttgctcgg aaagggtgcg acactttccc atactgcagt ggatggcatc 180
aacgcaagcg atctgatcat catctgtctt cttgataacg ccgccgtgga agcaactctc 240
gccggcgctc ttgaccacct ccacggcaag acaatcatca accttacaaa cggaacgcct 300
gaccaagctc ggaaattatc agaccgtttt gtcagtcacg gcgctcggta cattcacggc 360
ggaatcatgg ccaccccgtc catgatcggt tcgccttatg cccttgtcct atacagcggg 420
tccccggatg cattcaaggc cgccgagggc gacctgtcag tgctagccaa gtgcgtcttc 480
ctaggcgaag atgcaggcac tgcgtcactg catgacctgg ctctgctcag cggcatgtac 540
ggtctcttct caggcttcct gcatgcaacc cgccttcgtg aggtcgagca cgcccgcggt 600
caagttcatg gacctcctgg ttccgtggct gggggcaatg acccaataca ctaa 654

<210> 18912
<211> 222
<212> DNA
<213> A.fumigatus

<400> 18912
agggatgggc aaagcagatt gatgagggga agtacaccag cgaaggatcg aatctcgcct 60
atgcaattgg ttggcattca gaatattatc gacgccagtg aggcacagca agtctctgcg 120
gaattcattc ggcccatgaa ggaatttatg cagaaggcag tggcagctgg gcatggcggt 180
gacgatattt cgtccttgat tgattttgtg aagtcaacat ga 222

<210> 18913
<211> 216
<212> DNA
<213> A.fumigatus

<400> 18913
tctttatcac ataacagaca tacagacctc ttcttaggca ggctagctcg atatgtctat 60
gagcgttgca gggtagattc cgtcattggt aatgagttac tgaaatatat cgtccttaag 120
gctgacgtct tatgtaccgt cgtttacgtg atgctattca caatacagct ttcctggtca 180
agtcttgcac tagccatatt cttcctgttt atatag 216

<210> 18914
<211> 960
<212> DNA
<213> A.fumigatus

<400> 18914
gcatccttct ataaaccgaa taatccagtt ctacatcaaa tctgttattg tcacttatct 60
atcctaatgc cggacttggg tacatctaaa catcgctcat cccgcgcttg cacggcctgt 120
cgggccaagc atgttcgatg cgacgcggct ctaccacgat gtactcggtg cgtcggcgaa 180

gaaaaagaat gtgtgtatgt caagtcacgc cggggaggtc gtcgccgggt cttgaacacc 240
ctgacttcgt ctatgaacgg gacgaaaatg gatcaagaat catttatatc gatactgcca 300
atcctatcac aaacagggac cagggaattg aatccaggct tcaacttgac tacctcaaca 360
agtgctccga gcggtactgt ggacgaccag ctgctctcat tgtattatcg atactttcat 420
agcgcgcacc catgcgcagt acctcgattt gcaatccagc gttatgcggt cagcgaccgc 480
cgcgcaatac agccacttta tgcagtgatg aagtacatcg gctctcttca taacgcattg 540
atcccgtcct cgcaattgaa agatcatgtt gaggcggaat tggctgtcgc tcggagtacc 600
gatcatgtag tctcaccgtt cgcagtccag gccgtgcttc tctactccat tgcagtctat 660
tggtgtgacg aaacggaaaa aggcctggat ctgcttgagg aagctatcca gatggctctt 720
gggcttggaa tgaatcggag taactttgcc accgagcatg ggaggaacga tccgatcctc 780
gaggaaagct ggcgacggac ttggtggcag atttatatta ccgacgcgca tatcgctgga 840
agtacgcaca gttatccttt ccgaacggat gggatcctta tggatgttca tttgccctgt 900
gaagaggaag agtatgagtc cggggtaggt ggtcttcctt ctggtatgtt gtgttgctga 960

<210> 18915
<211> 1023
<212> DNA
<213> A.fumigatus

<400> 18915
catcgaaaaa aaaacacgaa tagtagcaaa atgtccatcc caaaaacaat gcgcgctctc 60
ctccagccct ccattgagga accccgtctg gtcattaccg cagatcatcc cgtcccaacc 120
gccacagaag gaacggacga gcatctcatc cacgtgcatt gcgtcagccc ctgtgctaac 180
gaactcaact gggcaaaggc tttccctgcc ctccaacaac gcgagcagat cccctgctac 240
gatgtcgcgg gaacagtagt gaccgcaccg ccatcctccg acttccaacc gggtacagaa 300
gtctacgcgc gctcaaacta tctccgtccg gggtgcgcac gcgactacgc cgttatatcc 360
ggcgctgatc tcgcgcggcg tcctcagaac ctgggctggg tggcgagcac cgccatcccg 420
ctgagtgcgc agacggcgct gcaggcgctg tttgtgcagt ctgggatcgg ggagctgggc 480
gaccaggcat ggaaagggaa gagggtgctt gttacggctg cgtctggggg tgtggggatc 540
tgggtggtgc agttggcgcg gctggctggc gccacggtga ttgggacgtg tgggccgcgg 600
aatgtcgagt ttgtgaagtc attcggagca agcaacgtga tcaactatcg ggaggcggat 660
ttgaaggagt ggggccagag gccggagaat caggttgatc tagtggttga ttgtactggc 720
aagaaatcgt tggaagatgc gtggtggtgt gtcagggatg gtgggattct gatcagcatc 780
tgtcagcctc ccgagcaagt gcagcctgag gagtgcaagg ggaagaatgt ccggaatttc 840
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<212> DNA
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<213> A.fumigatus

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<212> DNA
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<213> A.fumigatus

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<210> 18926
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<212> DNA
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<212> DNA
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<212> DNA
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<212> DNA
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<212> DNA
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<210> 18931
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<212> DNA
<213> A.fumigatus

<400> 18931
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<210> 18932
<211> 705
<212> DNA
<213> A.fumigatus

<400> 18932
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<210> 18933
<211> 4965
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (58)
<223> Identity of nucleotide sequences at the above locations are unknown.

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<210> 18934
<211> 501
<212> DNA
<213> A.fumigatus

<400> 18934
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ttcacctcac ctgggctgca acttcacctt ccccgctccc gccagcggcc aggccttcct 480
gacgaccgcc caggcgtttg a 501

<210> 18935
<211> 219
<212> DNA
<213> A.fumigatus

<400> 18935
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tacgcttggc acaagctgta ttctgttccc actataaggt atatcaactg cgcctacggt 180
ctcgacgcat cattcaaacg aaccccagtg actctttga 219

<210> 18936
<211> 756
<212> DNA
<213> A.fumigatus

<400> 18936
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aatactacgc ctccgtcgca accaaccaga ccttcctcaa ctcggcgcag aacagctcca 180
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<210> 18937
<211> 561
<212> DNA
<213> A.fumigatus

<400> 18937
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gttgcagccc aggtgaggtg a 561

<210> 18938
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<212> DNA
<213> A.fumigatus

<400> 18938
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gttttgattt aa 792

<210> 18939
<211> 276
<212> DNA
<213> A.fumigatus

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taccaaaaac ctcaatctct gttggaggtg aacccaagag gcctggtgcc agcgttgcgg 180
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<210> 18940
<211> 672
<212> DNA
<213> A.fumigatus

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<210> 18941
<211> 369
<212> DNA
<213> A.fumigatus

<400> 18941
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<210> 18942
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<212> DNA

<213> A.fumigatus

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<210> 18943
<211> 420
<212> DNA
<213> A.fumigatus

<400> 18943
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aatgtgcagg agctccaaga cggtctcaag gcgctaatca cggcagccaa tcccgaaggt 180
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tgggcagcat gggttaatgc gattgaggcc aatgagcatg tcaaggcgac aactagctct 360
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<210> 18944
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<212> DNA
<213> A.fumigatus

<400> 18944
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<211> 279
<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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gaggaggaga cgttcccacc ggcgtggcag ataacatgtc gatggcattc ccattcagag 180
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<210> 18947

<211> 564
<212> DNA
<213> A.fumigatus

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<210> 18948
<211> 267
<212> DNA
<213> A.fumigatus

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<210> 18949
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<212> DNA
<213> A.fumigatus

<400> 18949
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<210> 18950
<211> 573
<212> DNA
<213> A.fumigatus

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<210> 18951
<211> 414
<212> DNA
<213> A.fumigatus

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<212> DNA
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<211> 522
<212> DNA
<213> A.fumigatus

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<210> 18954
<211> 531
<212> DNA
<213> A.fumigatus

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<210> 18955
<211> 318
<212> DNA
<213> A.fumigatus

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<210> 18956
<211> 2652
<212> DNA
<213> A.fumigatus

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<210> 18957
<211> 486
<212> DNA
<213> A.fumigatus

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<210> 18958
<211> 441
<212> DNA
<213> A.fumigatus

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<211> 1425
<212> DNA
<213> A.fumigatus

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<210> 18960
<211> 1740
<212> DNA
<213> A.fumigatus

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<210> 18961
<211> 486
<212> DNA
<213> A.fumigatus

<400> 18961
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aacagtcgtg gtctcggcag acgacggtgt ggcgtgatca gcagcggaag tcgcaacagt 120
gttggtctga gctggctggg gaacagtggt tgtctcaacc ggggcgggaa cggtgggcgt 180
cgcggtattg gcggcctggg ccgacacccg agtgccttcg accttggagg ctgtagcttg 240
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ctcccagtac gcctccttga aagccgcggg attctgagcg acgtagttga cacagctctg 360
catggggctg ctgggatcgc tcatggggca ggtggattcg gcaaaaacat taccggccca 420
gtcgccgcaa aaggttgtgt caatgatcaa cttttgtgct ttgaagcgct ctgcaaagtc 480
gcatga 486

<210> 18962
<211> 363
<212> DNA
<213> A.fumigatus

<400> 18962
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ggcatgcctg tggtgcgcac gaatctcacg ccctacatct ttggcatcaa catccagcac 180
tgccaggctg ccatcccagg cgacggaaat gacgtgatct gcatgaccta tgcatacgac 240
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gttggcgacg aggtcacgta caaccagctt ctggagatgg ccgaggagat tcgaggtcag 360
tga 363

<210> 18963
<211> 279
<212> DNA
<213> A.fumigatus

<400> 18963
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caagtgcagg tagactacaa caatattccc tctcttgtcc aagttctgga acagcacacc 120
atccatacca tcatatccgc aattgggatc tttgatgcca cgaccagtca atctcagtta 180
aacctcatcc aggctgcgga ggaatccagc gtcacgaaga gattcattcc tagcgaatac 240
tcttttattc aaaccaaaga gtatttcccc acttactga 279

<210> 18964
<211> 204
<212> DNA
<213> A.fumigatus

<400> 18964
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gagtcagctt ccaccaaagc ctacgaccaa ctacctcaat gtctcttatt cgtgcttagt 120
ctagttggga tatacaaaca aactgcgggc acattgatca ccttcgtctt cacaacggga 180
atggacgcat ccaagcttga ttat 204

<210> 18965
<211> 435
<212> DNA
<213> A.fumigatus

<400> 18965
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atttgtttgt acagtgtctt ctccgccaag tttacgcccg acaacaagta catcctttcg 120
gggtcagacg acggcaacat tcgactctgg cgtgcgaatg cctccgaccg tagcggcatc 180
aagagtgccc gccagagaca gaaattagaa tatgaccagg ctctaattac caggtactcg 240
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gcggcagaga tcaagagaga agaacttgct gctattaaga gacgtgagga gaatgttcgc 360
aagcatgcta agaagggtgc actgccgcca agacggagtg agcgtgagaa gatgatcttg 420
acacacgagc aataa 435

<210> 18966
<211> 261
<212> DNA
<213> A.fumigatus

<400> 18966
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aactcaggga gtctgtacga tgcttacagc atatcgcgca accttcttgt ggcctacatc 120
ttgctcatgg cattgggtca tcattcgccc tccttgactt tcagttcatc tggcgatatc 180
tggctcgaca acacaccgtg ttttgaccta tctgctgcag atgacccttg taaagcagca 240
cggtcgatac cgctcaagta a 261

<210> 18967
<211> 321
<212> DNA
<213> A.fumigatus

<400> 18967
tttgacggga ccacaagctg gatgatcaac ttctgtaacc attcctcgtg cttgcactac 60
gcggacgatt ccatgtcagt gaatggcttc gcccaatcat tagacatcgg cgcacgactt 120
accatgagaa tgattgagcg tcccttggat gtcattgatc gcggcatatg gcatcccact 180
gccttccagg atctcgagcc attcctgcgt ggttttctgc ttaactctct tctcaatcag 240
gtcatcaagc tcttcccgat gctttactcg gtcacggttg gtgataaagc gagggtccgt 300
cttccattcg gggaacccta g 321

<210> 18968
<211> 1485
<212> DNA
<213> A.fumigatus

<400> 18968
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gagtcggttt ctgctggcgt cacagcaatg agggcgttcg tggaggttga tcacactgtc 480
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gcaagggtga gcaggcatat catctccaat ggccgtctga aactgccacc gcatcctatg 1440
tatccgggga cagcacggta tgctttcaag gatagcgacg cctga 1485

<210> 18969
<211> 1947
<212> DNA
<213> A.fumigatus

<400> 18969
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actttagaga ccacccatgg aacaccgagg accatctcga gcccccatcc atcagtttcg 180
acagttgaag gaaacacagc caatagcact cctccttcct cgatcgattt atcatcgaaa 240
acgagctgtt caacaggtac ggttcggggg aaagtgcaaa taccgaaact ttcggcagcc 300
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aacttcacta cccgttggag cacttcaatc tttgatccaa gcttgaatag tttgaatttt 420
caaaagttca acacgatgaa ggcctcttcc acaatcatag agctgcccac ggcgccgttc 480
gcttatacga acaatacact ggcacctaca gcagtttcca accaagcccc tataacgtct 540
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gtatcagctg gtccatcggc gacattggcg ccatctcaga tacaacaaac attgccatca 660
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gacggcgaag acattataag ggctggtgac tccagttcgg atgaatccga cgtcgccct 960
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gcttcatctc cagccattac caaggcgaac ggcacttcct cccatggctc agagactata 1080

ggtgcgcgaa gacacaagcg cgtgtttcgc aagacgaagg aggcgtatgt caactgtatg 1140
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cgagcatggc atcaactctg tcatgaccct ccgatcgact ctgatgttgt gaacgtggtg 1260
gagaaggaat ggcactgccg ggaatgcaag cctgtgcaaa tctccatcgt ccagccaaca 1320
gttgtcagga gcaaccctga tttacaagct caagcattgc gtcatccact acaacaccat 1380
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acaaccgaaa caccggtctc tcactcgggg aaagacacga cttctgagaa gccgagcact 1680
gagaatactg aggaaccatt gccatcagct tcttcttcac ggaagagaca ctggtacgag 1740
tcagatgaag agtcagaata cgaggagttt caagagcatc gactgtaccc acgcgctgga 1800
aatgggtttc gtctctcgct caacgccgac gatgttgaca tcatgcgtga agacccagat 1860
tgtcccactt ttagctatgc attgcatggg ccggccaaag ctcgcgccga ggccaatgaa 1920
actgcacctg tatgggggc tgcgtga 1947

<210> 18970
<211> 654
<212> DNA
<213> A.fumigatus

<400> 18970
ttgggtacac cgactgtgct gatcaactgc gcggccgcag gaattaacag tcaaccggtc 60
ctgactctac ctgcagaggc attcgagaaa acaattcgaa ccaatctcct cgcagtcttc 120
cacacttgcc aagtatttct tcccggaatg ttatccgccg agaatggtgg taccatcgtc 180
aatatcagct ccgtcctggg ccacctgtcg gccgccggct tgtctgacta ctctgcgagc 240
aaggcaggtc ttagcgccct tcatcgaacg ttggaagctg agcttcgtgt gtcgagatat 300
gacgggatag tgaaaatgct gctcgtggag acagggcaga tatcgacgcc tctgttcaaa 360
tcaatcaaga ctccaaacaa attctttgcg ccagtcctcg aaccagtcca tgtcgctcag 420
aaaatcatta ccgcaataga cgaaggacgg ggtggcctaa tcaggttgcc ggcgttcgcc 480
gttctcatcg actggtatgc cgtactacct gccagcatac agcgaattgc ccgttacttg 540
agcggtatcg accgtgctgc tttacaaggg tcatctgcag cagataggtc aaaacacggt 600
gtgttgtcga gccagatatc gccagatgaa ctgaaagtca aggagggcga atga 654

<210> 18971
<211> 327
<212> DNA
<213> A.fumigatus

<400> 18971
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tggaagacgg accctcgctt tatcaccaac cgtgaccgag taaagcatcg ggaagagctt 180
gatgacctga ttgagaagag agttaagcag aaaaccacgc aggaatggct cgagatcctg 240
gaaggcagtg ggatgccata tgccgcgatc aatgacatcc aagggacgct caatcattct 300
catggtaagt cgtgcgccga tgtctaa 327

<210> 18972
<211> 231
<212> DNA
<213> A.fumigatus

<400> 18972
catggaatcg tccgcgtagt gcaagcacga ggaatggtta cagaagttga tcatccagct 60
tgtggtcccg tcaaattagt caacacacct atcaagtatt cgcatgcaac ccctggggtc 120
cgaaggccgc ctccgactct tggccaacac accgacgaaa tcctcaaaga actcctcaat 180

tatgataagg ccgatatcga tctcctcaag aaagagggca ttgtgtcgta a 231

<210> 18973
<211> 333
<212> DNA
<213> A.fumigatus

<400> 18973
tttgaatttt caaaagttca acacgatgaa ggcctcttcc acaatcatag agctgcccac 60
ggcgccgttc gcttatacga acaatacact ggcacctaca gcagtttcca accaagcccc 120
tataacgtct ggggacggct cctcgagacc caagaagccc gttaccattg ctcccaaacc 180
aagtgtaaca gtatcagctg gtccatcggc gacattggcg ccatctcaga tacaacaaac 240
attgccatca caacctacgg ctctgatccc aaatcctcct ctggcaccgc tggcgccgtc 300
tcaaatacaa acaacattcc aaccacagcc tag 333

<210> 18974
<211> 807
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (45)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18974
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cgcttacaag agaaatcaca tgtcccagga gttttacccc tagacactga atttggtagt 120
gctacaattc tcacaaaacg tgatactggt gtcgaagata taatcaatga taatgtgaga 180
aaggtagccg acctaggtcc atcacacata atgtccacca catcaccctc gcccatctct 240
cagtcacctg ataaaggatg gcttgaacac ctcacattcg accttttttat gaaggttatt 300
aatcgcacac ttttccaccc gttcctcgcc tgggtcgggg tgctcagcct ccgagcccag 360
gccacccctt acacccatat ctcgttcatg atcgcgacgg gctatgctgc cttcctcacg 420
gtcttggctc ttgcccgtgc gatgaaccag agactggcgc atgggcttcc ccgacctgtt 480
gacttaagcg aagaggttgt tgttgtcact ggtggtgcga gtggccttgg cttactgatt 540
gcccggatat atggactacg tggagttagt gtggccgtct tggacatcaa ggctgagagc 600
gatatcgagg gctgggaaga agtgacggga gtggactact atcggtgtga tattactgat 660
cgagaagcgg tggagcggat ggcaaggaga attaaggaag aggtatgcaa tcgcttcgcg 720
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cttagttggg tacaccgact gtgctga 807

<210> 18975
<211> 594
<212> DNA
<213> A.fumigatus

<400> 18975
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cccaagacac gccggggttc caacgacgtc gtcaagggcc gagccctgtc tccatccaag 180
atccaccacc ccaagccttc caagccctac gcttctcgac agatccggga aaccgacttt 240
gctcccacca tggaggacct gaccaggcgc tttgccggct cccgcatgtc tgacgagtac 300
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gaacggtatg gcatcactcg caagggtgac cgcgtcaagc tcgactgcgg tggcagccgc 480
tgtggttatg tcactgagtc ttcagatgcc agctgctccg agtctgacag cgatgaagaa 540

tatcgccggg ctcgtactgc cgtgcgccgt caaggcatcg ttgtgcgccg ataa 594

<210> 18976
<211> 321
<212> DNA
<213> A.fumigatus

<400> 18976
aaagagtgcg gcaatgatgg gtggtggaag aagctaagat ggaaagttgt tgtggccagg 60
ttattattac tattgatgcc tggggaattc aatgctttcc gtcccgacta tccggggact 120
gtcattgcta ctattctcct cccaccctcc atgaaagatc aatcgtatgg actatggccc 180
aagttgatga aaagatatgg tgcccacaaa tacccctaca cgtacatgct agacaagaac 240
gatgcgcaag tcgcctctat caaacaggcc ccagagcacc gaagctcaag cctcgggcta 300
atcccaaccg tatcatcttg a 321

<210> 18977
<211> 183
<212> DNA
<213> A.fumigatus

<400> 18977
ccaatcattt cgcatgacag aaaactgaag aagggactct ttgagtgtcg actgtgcaac 60
aacaagcaca ggatctcgca ggtgcatatc ccgtatgcgg ccaagcttct gttccaagaa 120
ttggccgcga tgaatatcgc cgctcgcatg tttaccaatc gttctggcgt gtcagtgcgg 180
taa 183

<210> 18978
<211> 351
<212> DNA
<213> A.fumigatus

<400> 18978
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cccacactat atcaaaaaaa gtcctcaaat ctttccctcc cccagtttgc tctgtcagac 240
gagctgtgct ctctggtatt cttgtttatt taccttgct caggatactt cctagattat 300
acaatcttct tcacacggtt ctcaatcctc gtcgccggcc gacgttgttg a 351

<210> 18979
<211> 264
<212> DNA
<213> A.fumigatus

<400> 18979
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cgtcaaattc ctctttcccg ggatgattcc aagccgggct catgggttgg caagttccgc 180
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tgccgaattg ataagggaag ttga 264

<210> 18980
<211> 1281
<212> DNA
<213> A.fumigatus

<400> 18980
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ggcacctacg ataagctcga tgaggacggt atcattgccc ctggtgtgcg tgtctccgga 480
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ctcatgaccc cgattgcgta a 1281

<210> 18981
<211> 426
<212> DNA
<213> A.fumigatus

<400> 18981
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tcaccttcat atgccttctc atcctcatca gcaacgccca tcctgctcct caagacgaaa 120
tctaccccgc atgatggcta cgaggaattc ttctccgccc acggctacaa ccccgccttc 180
gtcccagtcc tcgagcacca tttccatcag acgaacctcc acaccgtaaa ggatctcttc 240
acgtcgggca gtctaaatgc cggcccgcga cggaaatacg gcgggctgat atttaccagc 300
cagcgcgctg tagaggggtt cgcgcgcttg gtcacgtccg aggtggatgg tacgtactgt 360
ttgccttgcc ctcagcaggc atggtcagaa ctcaaagaga aatatccaca agctaatggg 420
ctgtaa 426

<210> 18982
<211> 597
<212> DNA
<213> A.fumigatus

<400> 18982
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aatgtgtccg atatgtctcc gaatgatggt attaagactt gccagttcaa cttaacctct 180
ttattactct atagtagcta tctcagattg agtgaaaccg gttatagcac tcttactctt 240
tccttgcatt tcttccacat cgatctcttc acatatcgct cagaagcctt tcaaatcatc 300
acgatgtcgg actttactga gttgaacaga caatatttca ggtcagtcca cgatcagtac 360
cgggtgcaga gtgcattcct tacaaatcca cacagtaaac tagctagttc ctacagggag 420
gaattccgac aaggccagga attgatcttt aatgaggttc aagggcgtcg tgcatggatc 480
agtgatactt ggaacgacac caagtcggga aaaggtcata aaattaggat gctcgagtac 540
gcttgcgggc ctggtgctgt ctccgcagta tgtatctcaa acagactttt gaggtga 597

<210> 18983
<211> 252
<212> DNA
<213> A.fumigatus

<400> 18983
catgaatgcc tttgctttag gtcataccgc tactgttttt ggtgctactg gctttctcgg 60
tcgttacatt gtcaacaagc tcggtatgtc aacgagatga cccgcagggt ggaagcagat 120
gttgattcgc aactagccaa ccagggatgc acggtcgttg ttcccttccg cgaggaaatg 180
acaaagagac atctcaagcc gactggtgat ctcggaagag ttgtcttcat tgtacgtgat 240
cgtcttttct ag 252

<210> 18984
<211> 240
<212> DNA
<213> A.fumigatus

<400> 18984
gtggctgcgt catgtttttt catgaggtgg gacgagctgc tgatgcttcg cagaaacttc 60
tcctataccg acgttcatgt tgatggaact gagcgcatcg ccgaggctgt cgccaaatac 120
gatgttgaca gatttatcca cgtctcctcc tacaacgccg acaagaactc gccatctgag 180
tttttcagga caaaggtccg tttcggtccc ctgcgagcgg tggctgcatg gcaatactga 240

<210> 18985
<211> 192
<212> DNA
<213> A.fumigatus

<400> 18985
ttgatcgtac aggcgtgggg tgaggaggtt gctcgctcaa ttttccccga aaccaccatc 60
gtccggcctg ctcccatgtt tggtttcgag gacaatcttc tccacaagct cgccggtgtc 120
accaatcttt tcacttccaa ccacatgcag gaacgcttct ggcccgttca cgtaagctca 180
gcaccaatct aa 192

<210> 18986
<211> 528
<212> DNA
<213> A.fumigatus

<400> 18986
actgagaaaa aggcgctggc accgttcgtc gaccatattg ttggcattga cgtatccgaa 60
gaaatgatta agcaattcaa catcaacgcc caagaaacgg gctttgcgga taagatgcat 120
ggctaccacg gcgacctcct cgctgaaccc gtgccggacc atctatctgg gcctgaattc 180
ttcgatttcg atctcgtcgc tgtgagcatg gcacttcatc actttgacaa acctgacatg 240
gcgttacaac gccttggtga gcggctgaag aaggacggca tgtttttgat tatcgatttg 300
gtattggaag atgagcactc ctcgaatagc ctgcagaagg catttcccca ggcaagcgcg 360
acagttagaa cacatggctt cacctcggac agcatgcaaa agttgttcga agaagccgga 420
atgggtcaga acttcgacta caaggtcatt caggagccga tagtgtttag aaaggaggga 480
aaagagatca ggaagactgt tttcatcgcg agatctcagc gcagttag 528

<210> 18987
<211> 219
<212> DNA
<213> A.fumigatus

<400> 18987

gagcaattga gtcggaattg ttcggtaact gggatgctaa caggctgctt cgttataggt 60
cctctctcgg aggtatgcca gtcatcgcca acaattcgcg tcgcttgcag ctcgcctaac 120
atgaatgcct ttgctttagg tcataccgct actgtttttg gtgctactgg ctttctcggt 180
cgttacattg tcaacaagct cggtatgtca acgagatga 219

<210> 18988
<211> 486
<212> DNA
<213> A.fumigatus

<400> 18988
gctcagcacc aatctaacag ttcggagcat gacgcttatc cttctataca ggtcattgat 60
gttggctccg cgctcgagtt gatgctccac gacgacacca ctgccggcca gactttcgag 120
ctctatgggc cgaagaacta ctctactgcg gaaattgctc aattggttga ccgtgaaatc 180
gtcaagcacc gccgccacat caacgtcccc aaggctgtcc tgaagcctat ggcatactac 240
ctgaacaagc tcctctggtg gcacaccatc tccgccgatg aggtggagcg ggagttcatt 300
gaccagaaga ttgacaagac tgctaagaca ttcaaagacc ttggtatgga gcccgccgag 360
ctcagcgacc tcaccttcca ctacttggta cgtcattcgc cctcctttaa gttgttaccg 420
atactaatcc ctccaccaga aaggctacag aagttcctcc tactacgatc tgcctcccgc 480
cactga 486

<210> 18989
<211> 267
<212> DNA
<213> A.fumigatus

<400> 18989
ctgacagtcc atggaatgac agatgaccaa gagcgacttt ccttccttac atcgcttgcc 60
gacaaagtga acaaacccga cacacaagaa gcttacgtgt atgcccttgc ggaagttgca 120
aacgtgaagc agcgactaca ggacttggat ggagcgcaaa aagatctgga agtatgccag 180
aaggttttgg actcgttcga ttccgtcgag acggtggtgc acgcttcctt ttacaaggtc 240
aacgcagatt actaccacgt aagttga 267

<210> 18990
<211> 306
<212> DNA
<213> A.fumigatus

<400> 18990
ccgtacgtga aggccaaaca agaattcgcc gcctattaca aaaacgccct tctttacctg 60
gcctgcatca acctggacga tcttagcgag tcagaacgtg tctcccgcgc atacagcctg 120
agtgttgccg cgctcgtctc tgacacgatc tacaactttg gtgaactcct actgcacccg 180
atcctggact cgctcaccga gacgccgcac agctggctgc gcgacctcct gtttgccttc 240
aaccgcggcg accttactgc gtacgatgtc ttcaccacgg ggctggaagg acacgcgcat 300
cgtaat 306

<210> 18991
<211> 396
<212> DNA
<213> A.fumigatus

<400> 18991
gtagaccatc accaattgac cctcattctg gatgttctcg gaacaccaac catggaagat 60
tactacggca taaaatcgcg ccgggctcga gagtacattc gctcccttcc cttcaagaag 120
aagatcccat tcaaggcatt atttcccaag agcaacgaac tagcattgga tctcctggaa 180
aaacttttgg ctttcaaccc cgcaaaacgt atcacggttg aagaagctct acgccatccg 240

tatctggagc cgtaccacga ccccgacgat gagcccacgg ctccccctat tcccgagggc 300
ttctttgatt ttgacaagaa caaggatgct ctcagcaagg agcaattgaa aagtcagttg 360
tcactctatc cgcttgcttc attgaaaggc cgctga 396

<210> 18992
<211> 414
<212> DNA
<213> A.fumigatus

<400> 18992
aagttagcaa ccatggtgca gcaacctcct caaggaggat cgaggaagat ctccttcaac 60
gtttctgagc aatatgaaat tcaagatgtc attggagagg gtgcttacgg tgtcgtttgg 120
tgggtgatct ctattgtccg tagcgatagt ctggctccag tactgacttg ttccagctcg 180
gctatccata aaccctctgg tcagaaagtt gccatcaaga agattacgcc tttcgatcac 240
tccatgttct gtttgcggac tttgcgtgaa atgaagttac tgcgctactt taaccacgaa 300
aacatcattt cgatcttgga tattcagagg cctcgcaact atgagagttt caacgaggtg 360
tatttgattc aggtacattc ctcagcacaa gcacacacac acgcacacgt ctag 414

<210> 18993
<211> 426
<212> DNA
<213> A.fumigatus

<400> 18993
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tccgatgacc actgccaata ctttatctat cagaccctcc gtgcactcaa agccatgcac 120
tcagcgaacg tgcttcaccg tgaccttaag ccttcaaatc tgctacttaa cgccaactgt 180
gacctgaaag tctgcgactt tggcttggct aggtcggctg catcgactga tgacaactca 240
ggtttcatga cggaatacgt tgccactcga tggtatcgtg cgccggagat catgctgaca 300
ttcaaggagt atacgaaagc cattgatgtc tggagtgttg ggtgtatctt ggccgagatg 360
ctgagcggga agcccttgtt ccctgggaaa gactgtaagt tgctgtgctt tgaggaattc 420
ccttag 426

<210> 18994
<211> 750
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (15),(16),(46),(108),(144),(165)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 18994
acagccaccg gcggnntcaa agacaaccta ccgaacctcg gcatcngcaa gcgcttcacc 60
accgtcctcg gcagagagaa caacaacggt tccgccgatg aaatcacnga cacacccacc 120
cgacgcagca ccgacggccg cgcngtccac cacccccacc accgngagaa tgccccctac 180
accactgact tcgtctccga cgtcgccaac aaagcctccg ccatggcccc aacagcagac 240
ggcttagtcg gcccaaccgc caatctccgc ggcgccgcag cgcacacgaa gctcgcaaca 300
acctccacca tcccccgcgc caaggccatc gcgtacctcg agcgcaccct cgccgaagtc 360
aagcgcttca agcaggaact cgccttcaat cccgcccacc aggccgagaa ccgctacccg 420
cctgctgcag tcctttacgg caagtccgtc cctaccgtct acggcgcgcg cgtctggtcg 480
cccgagcaga tcaagcggca ggatgcctac gatgatctgg ccttcgcggc tggcgacggc 540
gtctgtctcg cctcggcggc gatgctgccc ccggggtacc ggatcatcaa ggacgggctg 600
gtcaagagcg agcgcgggca tgttgggctg ctgggcgatc tggaggggt gggccagtgt 660
ctccgggctt tagtccgtgg ccgacgggaa ggtgtgggat tagggccgag tccaggaccg 720

ggacctcagc ctgctgcgcc tttttcgtaa 750

<210> 18995
<211> 594
<212> DNA
<213> A.fumigatus

<400> 18995
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agccttcatg gtctcgccgg attctgcacc ggtcagtatc gaactcaatc aagggaaaca 120
gacacggcaa cacataccaa ccagatcgac aatcccatcg gccacaccca gagcgcaagc 180
agcctcgaca ctaccgccga catacttgat cttagtgctg agcttctgcc ccaactccac 240
gccctccagc cgagagaaga aggcctgcgt cagcgccgtg aagctagtca caacattctt 300
gccaatcaac tgcttcgcct ctgtgatgtc gcccttctgc ggaacctgca cctgcagctt 360
gcacccgccg aacccgagat ccatgatctc ctcgacgccc gagacctcgc cctcggccag 420
ctgcgcatcg tgttcggcga cctggtcgcg gccggtgata ccgaggtcta cgcgaccctc 480
gccgacgaaa gtcgggatgt ctgcggcggg gaggaagatg agtgcaatcg ggaggttctt 540
gaccagtgcg atgtcgaggc gggtttcgcg gcggaattgg atgtcactgc ctga 594

<210> 18996
<211> 426
<212> DNA
<213> A.fumigatus

<400> 18996
tcggcccaac cgccaatctc cgcggcgccg cagcgcacac gaagctcgca acaacctcca 60
ccatcccccg cgccaaggcc atcgcgtacc tcgagcgcac cctcgccgaa gtcaagcgct 120
tcaagcagga actcgccttc aatcccgccc accaggccga gaaccgctac ccgcctgctg 180
cagtccttta cggcaagtcc gtccctaccg tctacggcgc gcgcgtctgg tcgcccgagc 240
agatcaagcg gcaggatgcc tacgatgatc tggccttcgc ggctggcgac ggcgtctgtc 300
tcgcctcggc ggcgatgctg cccccggggt accggatcat caaggacggg ctggtcaaga 360
gcgagcgcgg gcatgttggg ctgctgggcg atctggaggg ggtgggccag tgtctccggg 420
ctttag 426

<210> 18997
<211> 468
<212> DNA
<213> A.fumigatus

<400> 18997
aaccgcctgc gcgatggcaa ccccatcatg tgtagacgta ccccgaccca actcatcgag 60
gatgaccagc gaacggggcg ttgcctgctt gaggatgtcg gccgtttccg acagttcgac 120
catgaaggtc gattcacccg ccagcatgtt gtcgaaagct cccatgcgag taaacacggc 180
gtccagcatg ccgagcttcg cggaccgagc aggcacgtag gacccaatct gtgccataat 240
ggcaatcagg gctatttgcc gcacataact ggacttaccg cccatgttcg gaccagtgac 300
gaggagggct cgagtcttgt cactgtccag atcaatgtcg ttggggacat agctatcaag 360
cagaagttgc tcgaccattg gatggcgccc ttgttccacg tgaatacacg tttgatcggt 420
atattcgggc ttcacatatc ctggctggct agcaattgca gccagtga 468

<210> 18998
<211> 543
<212> DNA
<213> A.fumigatus

<400> 18998
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ggcagtgaca tccaattccg ccgcgaaacc cgcctcgaca tcgcactggt caagaacctc 120
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gtagacctcg gtatcaccgg ccgcgaccag gtcgccgaac acgatgcgca gctggccgag 240
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gggcagaagc tcagcactaa gatcaagtat gtcggcggta gtgtcgaggc tgcttgcgct 480
ctgggtgtgg ccgatgggat tgtcgatctg gttggtatgt gttgccgtgt ctgtttccct 540
tga 543

<210> 18999
<211> 516
<212> DNA
<213> A.fumigatus

<400> 18999
ttgagttcga tactgaccgg tgcagaatcc ggcgagacca tgaaggctgc tggtctcaag 60
gccattgata ccgtcgtcga aagcacagcc gtgctggtca agtctcggtc aaccaagaac 120
ccccttgttg acttgatcac ctctcgtatt agtggtgtca tcagtacgtc tcccttgctc 180
cgattgaatt gcaactttgc ttacggtcgt tcattacagc cgctcaaaga tacgtcctgt 240
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agaaaaagaa gattgcgacg gtcatggacg agctgctcaa agtcggcgca tcggacattc 420
tggtcctcaa cattgccaac tcgagaacgg gttagaggtt tccttttttt ttttgtttac 480
tcgtttttag atttctatgc ggcgcgtgat ttgtag 516

<210> 19000
<211> 1524
<212> DNA
<213> A.fumigatus

<400> 19000
cttgattgta ctggcgcgga tattttgcta acgtggaaac agtgtacgcg cccagagctt 60
ctcactgttc tccagacgct gcagaccatt gcacaggagt acgttgacgt caagaccccc 120
caggactccg gcttcacatc gccaattctc ggtgaggcta ttgcccgagt gccgtcaata 180
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gacgtgggag gattaattga ggatcctgca aagggagatg agaacttctt ccaaaggctc 1500
atcagcaacg cggagcaact gtag 1524

<210> 19001
<211> 870
<212> DNA
<213> A.fumigatus

<400> 19001
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ccgccatcca cacaaaatct caagcgtaaa caacagacca tttccagctt cttcacgaag 120
cgggcgccga gcgcagagaa gagaagcaac gacattgaag atgggcgagc gacgacccag 180
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gtggtcgagg tgggctacaa gtttcgattc tttggcgagg atgcgaggat cgccgctaag 780
gaattgagta ttgtatgcat acctggcaaa atgaggtttg atgaacgtaa gtcagttcag 840
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<210> 19002
<211> 1158
<212> DNA
<213> A.fumigatus

<400> 19002
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ataccggtcc accgattaca tgtgcatgtg aagcgtctcg tatcagctgg atacaaggtc 120
ggcgtggtga gacagatgga aactgccgcc ctcaaggcag ccggagacaa tcgcaatgct 180
cctttctctc gaaaacttac caacctctac acgaaaggca cttatgtaga tgatgttgag 240
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accaagtatt tccagcactt ttcttctcga tcacacatgc tgctgaacgc gaataccctg 840
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gcgcggatat tttgctaa 1158

<210> 19003
<211> 303
<212> DNA
<213> A.fumigatus

<400> 19003
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gttgcctcga agattacccc cggcaagcgg gcgcccacaa tcaccgctct ggaggaggag 180
ggctgggtgg ctgtcagctc catggtggag aaaaagaaga ttgcgacggt catggacgag 240
ctgctcaaag tcggcgcatc ggacattctg gtcctcaaca ttgccaactc gagaacgggt 300
tag 303

<210> 19004
<211> 234
<212> DNA
<213> A.fumigatus

<400> 19004
aaaagcagtc gggtcattac tcgtattgcc gtcatcataa aaacaagcgc ttggggtatc 60
aaatgcatgc agtccgtaga agagcttacg aaaaaggcgc agcaggctga ggtcccggtc 120
ctggactcgg ccctaatccc acaccttccc gtcggccacg gactaaagcc cggagacact 180
ggcccacccc ctccagatcg cccagcagcc caacatgccc gcgctcgctc ttga 234

<210> 19005
<211> 624
<212> DNA
<213> A.fumigatus

<400> 19005
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<210> 19006
<211> 312
<212> DNA
<213> A.fumigatus

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gccgagaaat ga 312

<210> 19007
<211> 225
<212> DNA
<213> A.fumigatus

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aagcgtaacg acgaggaggg cgccaaggag agactctact cctacgtcca ggccgtcaac 180
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<210> 19008
<211> 477
<212> DNA
<213> A.fumigatus

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<210> 19009
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<212> DNA
<213> A.fumigatus

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<210> 19010
<211> 537
<212> DNA
<213> A.fumigatus

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<210> 19011
<211> 2088
<212> DNA
<213> A.fumigatus

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agcgtatccg ctgcagacag attcgatgtg ccccttata agcttcagct tctgactgat 2040
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<210> 19012
<211> 1497

<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1013)
<223> Identity of nucleotide sequences at the above locations are unknown.

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<210> 19013
<211> 1164
<212> DNA
<213> A.fumigatus

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<210> 19014
<211> 282
<212> DNA
<213> A.fumigatus

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<210> 19015
<211> 843
<212> DNA
<213> A.fumigatus

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<210> 19016
<211> 1644
<212> DNA
<213> A.fumigatus

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<211> 1056
<212> DNA
<213> A.fumigatus

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<210> 19018
<211> 429
<212> DNA
<213> A.fumigatus

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<210> 19019
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<212> DNA
<213> A.fumigatus

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<210> 19020
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<212> DNA
<213> A.fumigatus

<400> 19020
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cgcggttgcg gacgattcga catacgagtc cggatggtcc aggagggtgt gccagaaacc 180
cgtctcgctc tcctgcagcc gctgcagggc ctcacactgg gcctcgagcg tgtcgatgag 240
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aacgagaaac tgcctcttgg cctcggcaat gtactcggga cggttcagga gcttgccgat 480
cttcgccagc ggcagaacgg tcatcattag 510

<210> 19021
<211> 534
<212> DNA
<213> A.fumigatus

<400> 19021
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tacggcgtta tctccgtgct gtggggtctc ttcgttatct tctggatgcc cgactcgcct 180
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cttctcgcca tggtcctggg tttctatatc attatcgtcc tcctgggctc cgcctggctg 480
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<210> 19022
<211> 330
<212> DNA
<213> A.fumigatus

<400> 19022
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gtcggcctgc taatcagcta ctacatcacc ctctccttct ggtccgccca gaccctgtgt 180
ctctccatgg tctcccgcaa catcgcgggc gccaccaaga aatccaccgt cgtcgcagcc 240
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ccccccacaa aaaagcagac atcaaactaa 330

<210> 19023
<211> 258
<212> DNA
<213> A.fumigatus

<400> 19023
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gctttcggcg tccacctggg ctgctacgtc tgcctgaccc tcgccatcat cttcctgcgc 120
ttctggctcg ccctccagaa caagaaaaag gcccgtgtgc tggaagagaa tggcctgtcc 180
gcggcggata acaacctcac ccatgccttt gaggaccgca cggaccagga gaatttgcat 240
ttccggtata tctactag 258

<210> 19024
<211> 1014
<212> DNA
<213> A.fumigatus

<400> 19024
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ggccgcgtta ttgacaccaa gtcctggcac gggtgggagt ggacgcatgg tatcggcctg 180
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<210> 19025
<211> 204
<212> DNA
<213> A.fumigatus

<400> 19025
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gcaaaggcag tagtaaaaga acgcggcata agtatctatt caattggcct cattcctgaa 120
acatcgggca ccccctctcc ctcaaccacc ctggcgcttg cgatctcata taccggcagc 180
tctgcaagtc gcgagatgac atga 204

<210> 19026
<211> 483
<212> DNA
<213> A.fumigatus

<400> 19026
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aaccgttccc acgaggttcc cgctagttca gcggtggaca ggttcttcaa gagctcggta 180
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aataactgcc tcttcgcctc ggcgacaaag gcattgccag gccccgcgat gaaatccacc 420
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tag 483

<210> 19027
<211> 960
<212> DNA
<213> A.fumigatus

<400> 19027
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cataaccagc tcaaaagggc agccacgagc actgatgcgg gccgcgaggc catcccattc 120
cgaaccgcta gtcgggtggt gcacgtcgac ccagcatcag ccacaatcac acttgaagac 180
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ctagatatgg aggagatacc ctgttggtat gaggggcgtt tggctttgct gggcgatgcc 660
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<210> 19028
<211> 543
<212> DNA
<213> A.fumigatus

<400> 19028
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ccagcgaggt tatggcatgg cgtgagtgtt cttaccctgc gctggagtcg gcgctcagag 240
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taccggcgtg ttgggaatcc cttggtggaa cgcgccgtcg agatccaaaa gctctcggac 480
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tag 543

<210> 19029
<211> 219
<212> DNA
<213> A.fumigatus

<400> 19029
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gtgacggcag agggggaact gctgcactgc aatgagaatc aaaatgagga tctctactgg 120
gcagctcgag gtgccggtcc aggtaaagct cttaacctac atcatcaatt cctcatgctg 180
attctcgaat catcctcttg gcaggcttcc ctggtgtga 219

<210> 19030
<211> 258
<212> DNA
<213> A.fumigatus

<400> 19030
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ggaggtctgt gggttggaaa atatcttcgc accgtgacat atcaagaagt caccagccgt 120
caagcaagcg gcgaattggg acggctgtgc ggaagagcag cacgcgctga gaacttcgag 180
ggtcatgcac ggtctggcga tcttcgggct tacaactatc tcggtgatca gtttgaatgg 240
attcagagag atatctag 258

<210> 19031
<211> 1155
<212> DNA
<213> A.fumigatus

<400> 19031
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ctcggttggc cggccgtgat cgtgtcgatg gacaggaaac cgctgacagt aagcgttcca 180
ctttcattcc tcgaaattcg cactctaact gcgttagtgt atggcttcac caactacaat 240
tttggccatg acgagtggga taattcgacg cagagactcc gcgagtggac gtggaaacgc 300
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ttcaagacct cacgtaccgt actacagaac ctcttccccc cgggccgccg tggctggcga 480
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gacatctatc gccgggaaaa atcatatcga attcgtacag gatggcaagg cgctctctgg 780
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aggccaattg aatag 1155

<210> 19032
<211> 741
<212> DNA
<213> A.fumigatus

<400> 19032
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gctggtatta atgcccttcc aacctccagg ttattctctc gtcagctgtc ctcctccttg 120
gtcacattac attttaccat ggcagacact attctgaaaa cgacagagac aatcgagcat 180
gtcgaggaca gtcagtctcg cgacctcttt catctacaca acctcggcca tgtccgtctg 240

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ccccttcgct ggtcgactgg ctacaagatc tatatcgcca ttctcgtctc tctagccatg 360
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<210> 19033
<211> 492
<212> DNA
<213> A.fumigatus

<400> 19033
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acaaggcgca atggaggaat ccgtgagccc gagatgcgat tgcctgcgat tatccccagc 360
gtgatcgctg cgccactttc tttggtgcta tatggatgtg gtatcgccaa tggctggcac 420
tggatggtac ctacctttgg cttgggcttg tgtatgtttg tcctgtcatt ctcgtttaaa 480
ccatctacct ga 492

<210> 19034
<211> 489
<212> DNA
<213> A.fumigatus

<400> 19034
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gacatcgtgc tggcggtcaa gttggcaaag gagaagaaat gccgtgtcgc tgtgcgctca 240
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gattacaagc acttggaagt ggatgcagaa aagcgcatgg cgcgaacatc acccagtatg 360
acagggaagg agatcaatgg aaagctgatc aaggagtatg ggttgatgtt tcccgggggt 420
cattgtccag acgttggcct ggggggcttt cttctgcaag gggggatggg atgggtctgc 480
cgggtatga 489

<210> 19035
<211> 603
<212> DNA
<213> A.fumigatus

<400> 19035
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agcgagcatg tccagatcct caccaaagag ccgcgacaag ccctcaggaa catgaatgcc 540
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tga 603

<210> 19036
<211> 240
<212> DNA
<213> A.fumigatus

<400> 19036
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gccatttcct actggaagac ctggtcgaag ttgacccagc gtcagccccc ggaggattca 180
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<210> 19037
<211> 183
<212> DNA
<213> A.fumigatus

<400> 19037
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cgcatattac tggctggctg tatatcctcc ctggaactac tccgcatttt ccaccagtgc 180
taa 183

<210> 19038
<211> 261
<212> DNA
<213> A.fumigatus

<400> 19038
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gctatggcgg gtatttcagg cggctgccta cttttcttca tcccactgtt tttctggggc 180
aagtctatcc gacatgcctc catgaagtgg tcgttggttc agtttgtatt ctggaaggat 240
gatcgtgagg tgggagagta g 261

<210> 19039
<211> 522
<212> DNA
<213> A.fumigatus

<400> 19039
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gtgatcacac aattccacct tgagctcatc ccgtatccta agcgcgggtt tcggtcgtct 120
gggtacatct accccatcag caaatattat gaagccttca gctggatagt cgccatcact 180
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tactgtgccg agaatgcata cgtgcacaac gacgcggacg tccccaaagt cctcgaagaa 480
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<210> 19040
<211> 1230

<212> DNA
<213> A.fumigatus

<400> 19040
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<210> 19041
<211> 729
<212> DNA
<213> A.fumigatus

<400> 19041
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ccgcaggcgt atatcctgcg agcgatgagc acagaggccg aaaagcccag tttcaaggct 420
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atgcatgagt tgacggcgtg gtggatgcta gattctgggg tcaagtattt gatgaatttg 720
aagaattga 729

<210> 19042
<211> 321
<212> DNA
<213> A.fumigatus

<400> 19042
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cgcctgggtt actatagact tgggatacct cttgcggtca cctgtcatgt ggttgccatc 180
ctagtcgctt ttatgggagc gcatcggttc tggagacagc agagcgctgt cgcacatggg 240

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atgcttcctt ctttcaagtg a 321

<210> 19043
<211> 471
<212> DNA
<213> A.fumigatus

<400> 19043
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tcgctaggtg caagaagaga agacaaacag acggcgaaaa gaggggattc atccatagaa 240
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tccccttcg gcttccacat caacgtctca ttcatgatga ccatccggtc gtccttctcc 420
gtgatcgtag tcaccaaacg accccgaaca gcccccatcg gcttcagttg a 471

<210> 19044
<211> 276
<212> DNA
<213> A.fumigatus

<400> 19044
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cttctcattg cagtcccaaa gctcgcctat cttgtgactg ttgagcaact gtggtatcag 180
gatggatggg gctataccat attgcactgc gccgttgata agaacgatga agccattgcc 240
catctgtctt caccacggat tgccagagcg cgataa 276

<210> 19045
<211> 720
<212> DNA
<213> A.fumigatus

<400> 19045
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ctttggggca gtattgattg tttttgcagc atcattgaac aagtctcacg atactcgagc 120
gtacctgtcg cagtttctgc agtccaacag cagcattatc aagaacacca tgtcaagata 180
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cgaattgatg gcccagccgc tggggttaca aatctgctgt cccagaaatc actcgataat 420
tccagagagt cgatggacac caatgctgcg acctttttat cctctccaag agtcgagggt 480
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aagcggggta tcaagctctt tatccaagag ggctttatac gttcagactc gcccgaggac 660
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<210> 19046
<211> 432
<212> DNA
<213> A.fumigatus

<400> 19046
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acgaagaagt ga 432

<210> 19047
<211> 2217
<212> DNA
<213> A.fumigatus

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gtcgaggaag actcgaagcc tcctcttcct ctcgagtcac agaggcagaa aattgattta 180
gatgaagtta cagactccaa ttcaccacag atcaaagtag actcctccga aataacagag 240
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cagtttctgc agtccaacag cagcattatc aagaacacca tgtcaagata tcaaaagtgg 2160
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<210> 19048
<211> 516
<212> DNA
<213> A.fumigatus

<400> 19048
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caaggatgct gtccagtatg gttcaccttg gacatttcgt ggtcaaaccg cattgacaat 180
gatactgatc aaatctatag accccaattg cctgcgttat ccgccctctc ccgtttctat 240
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cttgatccta accatgcgcc tctacagcct ttccgcccca caccatcatc agcatgcctg 360
ccctctcgcc cacgatgtcc gcaggaaaca ttggagcttg gcagaagaag gccggtgatt 420
ccctgtcgcc gggtgatgtt ctcgtggaaa tcgagaccga taaggcacag atggactttg 480
aatttcaaga ggaaggtgtc ttggccaagg ttctga 516

<210> 19049
<211> 1131
<212> DNA
<213> A.fumigatus

<400> 19049
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gccgtccttg tggaggaagg aacagatgtc gccccctttg agagctttac tctggaagac 120
gctggtggtg ataagggaac tgctcccccc aaggagagca aggaggagcc caaggctgag 180
gctgcaccag cgccctcgac gcccgagcct gcacccgccg ctcaggagcc tgagacatct 240
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attatcgtga ctggcagctt cgaccacaag gttgttgatg gtgctgttgg tgctgaatgg 1080
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<210> 19050
<211> 255
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (219)
<223> Identity of nucleotide sequences at the above locations are unknown.

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ggtgatgttc tcgtggaaat cgagaccgat aaggcacaga tggactttga atttcaagag 180
gaaggtgtct tggccaaggt tctgaaggag actggtgana aggatgtggc tgtcggcact 240
gtatgtatag gctga 255

<210> 19051

<211> 720
<212> DNA
<213> A.fumigatus

<400> 19051
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tatcggtaca tctccggatc aattgagaca ttgagagata agaaggatgg cccagtatat 120
agacgtgaac gaagcgacag cccataccaa catggcagca tccgcaaaca caccatggct 180
tcccttgaca ccaaataccc tgtggagacc accgagccgg ccctcgccaa agatgactcc 240
cctgccggcg cagacatcaa tcctcgcgca gagcgtgccc tagtttggaa gttcgatttg 300
cgtgttcttc ccgtattggc cgtcatgtac cttttcaata gtctcgacaa gtccaacgtg 360
gggaatgcca agactgccgg actggagaag acgctcaacc tcaaaggcaa cgagtacaac 420
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ggcaagaagt acggccctaa ccgcgtgctg ccgtgcatga tgtttgcctt tgggctgtgt 540
accatcctcg tcgtcgcggt gtttaatttc agtggtttgc tggcgattcg ttggttcctg 600
ggaatggcgg agagtgcatt ctttccgctg gttatctact atctcaccac gtatgtccgt 660
ctggccagcc tccaggcaag taaactgacc gaagcagatt ctaccgccgg ggcgaactag 720

<210> 19052
<211> 516
<212> DNA
<213> A.fumigatus

<400> 19052
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aactcgcata cctccgcctc caacgcgaca gctccgccat cgtcaacgag aaactcaacc 180
tccgcgacgc attcaagatc ttccgccacg gcacctcatg gctcatcctc gctatccaga 240
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cgctggggtt cttgttcacg ttcatcgggt tcgtcatcta cgccgcaatt gacgtcgagg 480
cggatatcaa tgtcgcatat tttgcttcct tcatga 516

<210> 19053
<211> 258
<212> DNA
<213> A.fumigatus

<400> 19053
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atgggcgtcg tcagctcgaa catcttccgg agtcaggacg ccccgcggta tatgcctgcg 180
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gtggatgatg gtggataa 258

<210> 19054
<211> 552
<212> DNA
<213> A.fumigatus

<400> 19054
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tacctgctgg gagcattgct ggtgcaacta tcagaaagct acccagaaat cctcgacgaa 180
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cggattatgg ttacgagcac gaccttacca ccagtgtcga atcccaccat taatatcctc 420
agggtgcaaa tgaaaccttc aactaataga actgacattg aggcaattct cgatacccag 480
ctaacgtcag tcccagctct tcaacggcta ccggaacaca tcaagtgtcg cattaagact 540
tgtcttgctt ga 552

<210> 19055
<211> 717
<212> DNA
<213> A.fumigatus

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<210> 19056
<211> 939
<212> DNA
<213> A.fumigatus

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caatccggcc ccctagcatc ctggcgctac cttttcctca tcgaaggggg aggcaccatc 180
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<210> 19057
<211> 822
<212> DNA
<213> A.fumigatus

<400> 19057
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cgcacggccg cgcctgtgta tccgcctgca ctgttatact cgaccagcta ctacgattat 180
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<210> 19058
<211> 1515
<212> DNA
<213> A.fumigatus

<400> 19058
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tggctaacaa agtag 1515

<210> 19059
<211> 228
<212> DNA
<213> A.fumigatus

<400> 19059
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cgccggcttc ttcatggctt ggccgtcctg tccctacaca gtatgtccgt tactaatttg 180

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<210> 19060
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<212> DNA
<213> A.fumigatus

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caggccgccg ttcaaggctt cgacatctcc cactaccagt ccagcgtcaa ctttgcggcg 180
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<212> DNA
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<210> 19062
<211> 2685
<212> DNA
<213> A.fumigatus

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<210> 19063
<211> 636
<212> DNA
<213> A.fumigatus

<400> 19063
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<210> 19064
<211> 1209
<212> DNA
<213> A.fumigatus

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<210> 19065
<211> 273
<212> DNA
<213> A.fumigatus

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<210> 19066
<211> 408
<212> DNA
<213> A.fumigatus

<400> 19066
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<210> 19067
<211> 186
<212> DNA
<213> A.fumigatus

<400> 19067
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agtgaccaaa attcagctct tatgaaggca ttctggcatg acatttcaat catccttgaa 120
caatatacct ctcgattcgt ggctatactg acgagtacga acggaaaaca gcgaaagagt 180
cgctga 186

<210> 19068
<211> 537
<212> DNA
<213> A.fumigatus

<400> 19068
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<210> 19069
<211> 642
<212> DNA
<213> A.fumigatus

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<210> 19070
<211> 954
<212> DNA
<213> A.fumigatus

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<210> 19071
<211> 1137
<212> DNA
<213> A.fumigatus

<400> 19071
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<210> 19072
<211> 345
<212> DNA
<213> A.fumigatus

<400> 19072
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<210> 19073
<211> 282
<212> DNA
<213> A.fumigatus

<400> 19073
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<210> 19074
<211> 534
<212> DNA
<213> A.fumigatus

<400> 19074
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<210> 19075
<211> 885
<212> DNA
<213> A.fumigatus

<400> 19075
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<210> 19076
<211> 603
<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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<210> 19078
<211> 264
<212> DNA
<213> A.fumigatus

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<210> 19079
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<212> DNA
<213> A.fumigatus

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<212> DNA
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<210> 19081
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<212> DNA
<213> A.fumigatus

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<210> 19082
<211> 1368
<212> DNA
<213> A.fumigatus

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gggtaa 186

<210> 19084
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<212> DNA
<213> A.fumigatus

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<210> 19085
<211> 3162
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (2462)
<223> Identity of nucleotide sequences at the above locations are unknown.

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<210> 19087
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ttcttcggac gactgctcaa gtccttggtc caaggggtc ggttcaaccc ggcggagaag 1920
gtagtggaga aggtgcagcc gcctctgaac ttccatgctc tgctgtacga gcagatcaag 1980
gatgagatca tgacgtgggc caccggaccc aatacgttcg ttgtggttgc gctaacggag 2040
tcggacgagt ttgctaaaaa ggacgagctc ttgaagacgc tcaagaaggg caagaaggcg 2100
ctggagcagg cggctgcgga gagtggcaag gatgagaaga agaagaaggc tggaccgacc 2160
agcagcggcg ccaaactgct actggagaag attcgatga 2199

<210> 19088
<211> 1281
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1271),(1272),(1273),(1277)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19088
tgtcaattgt taaggagaag ggaccagatg acgagttgtc atcggccatc ttggaaagtg 60
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acgatttgtc ctgcactaac ctggctgcag ctcatggaag ggaatctctc ccgagcccga 180
tcgtcgattc gaatgtcgcc ctcgctttca cccgcaccgt cgccagcgcc tggcactcag 240
ccattgggac tggggcagcc cgtcggaggt ttataccagt caatctcccg agcggaccgc 300
agggtttcgg ccctgcgcgc tcggtcgacg tacacctcgg cgcaagactc ggccaacaac 360
aggcattccc gggtttacag tgaaaccaac ctaccgttaa cagcgtcgac cgagcctccg 420
accaccggac ctagtctgtc acgatccatg agcgccatgg ggtcgagcac ttcctccaat 480
tttcacaacg atgaacggtc atttcactat gacaccacgc gaccttatct cactcaccgt 540
gcctctgtct taccaacgcc accaccatcc ggctcgattc gacgcgcaca ctccgccaat 600
cagagcgggg acaactctga gacgcccaag ggactaggca ttacaacccc caacgtggaa 660
tctgacaaca agcacaaata tgaaaagttc aactcggagc atcccccgca cgaccctccg 720
tctcgcgcac agtcacaact tcaggtgcgg gatcttcagg accagatgaa gggcctccac 780
ataaagattt ccagtctgaa ggtcaaagct caagagggca gtctccggcg gcgaagcctg 840
cagagcttga ggacgcccag tccgttcacc gaggggggacc agtggtaccc gagcgcgttg 900
gaactcaaga acagcaatgg gagtctccgg tcaaatccgg gacggggcca tcctgccgac 960
gcccaggaga gccaccacca ccaggaacgt caggaaccgg agaccgtaag aaatggattt 1020
gcatacgacc agagaaacca tcgcaccgaa caaccagaaa ccaagctcca gcgaaagccg 1080
agtgttgctt cgcatgcggt ttcactcaat gagagcctat acgaggatgc agaggaggga 1140

ggctacgaca tggacggctc cgcgggctcg gacattgacc gtgaagcttt ggaggagata 1200
ctgcgcgagc cgctggacga cgaggacttg ggtcttcacc acggggctgg aaggatcagc 1260
ggtggtctaa nnnaaanccc g 1281

<210> 19089
<211> 195
<212> DNA
<213> A.fumigatus

<400> 19089
gttattttac gctgttcagc tagtaagtcc tgcaccaact atatctgtcc cgaatttgga 60
tacggtctca tcaaacactc tagtgcctca cccacctggt gttggacccg tctatggccg 120
tctattgcct caggaatgac tatgatattg gcgccgtgta ttcattccaa gtcgatatca 180
gtgagccgct tgtga 195

<210> 19090
<211> 183
<212> DNA
<213> A.fumigatus

<400> 19090
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ggctgtcgtc atttggtctg catcaataac gtcttgcatg ctattgttcc tactgaccta 120
gagctacatg ccgctaaggt ctaccatggg ttatataacc agcaagctct catcttgctt 180
tga 183

<210> 19091
<211> 600
<212> DNA
<213> A.fumigatus

<400> 19091
ctccaccgcg ttacctgcca gccctgtggt gaagacacag acaacagggc gattggtgtt 60
tcggtaacaa aagaagcact agttaacgac agtatactaa acccggatga tgcatatcgg 120
tgcctaatca acctcaacat caatctgcag aacaggctgt acacagataa gtttgagtgg 180
tccttgttac accctcccgg catggcagag gaattcgcgc aggtcacctg cgccgaccta 240
ggcctgggcg gcgagtgggt tggagccatt gcgcatggta tctacgaagc tgtcttgaaa 300
ttgaagaagg aagtgtgtga gagcggaggg atgatcagtg gcatgggtgg gtatggaaat 360
gagatcgata accaagctgc caatggcacc gaggctggtt ggcggtatga tcccgaagga 420
ctaggcgatg aatgggaacc taaggtagag actctttcaa aggaagagat tgagaagcga 480
gaaggagacc gcgagcgcca gatcagacgt ctacgacgag aaacagcccg gttctcttcc 540
accgcccggc atcacaccag atatgtcgcg gcagggcagt ggttatttcg acgtcgatag 600

<210> 19092
<211> 402
<212> DNA
<213> A.fumigatus

<400> 19092
agatatggga ttacaagtaa gttttcgact cttcctggat ttgaagccga cgactgtact 60
aatgactgta cttatagccc ggaaagcaag acctacaacc tcagccagac attggaaggt 120
cattcggact gggtccgtga cgtcgcctgg tcacccagca ttctgtccaa gtcctatatc 180
gcctctgcgt ctcaggataa gactgtgcgg atctggacct cggatgcatc gaatcccggc 240
caatggacca gccagcagct ggaattcgac actgtcctgt ggcgggttag ctggagccct 300
agtggaaaca tccttgctgt cagtggagga gacaacaagg tcagcttgtg gaaagagaat 360
ttgaagggac aatgggagaa ggtaaaggac attgaggagt ag 402

<210> 19093
<211> 222
<212> DNA
<213> A.fumigatus

<400> 19093
gtttggcacg atatctctca tgaaccttcc aagaggcagg actccggcgc atactatttt 60
gacttcacaa tttccagctt aattatcttt accagcatta gctgctggcc ccgttgtctg 120
aaacattgcc cttcctcgtg gaatcaagca tcatttggtc ggatttgttt gaaaaccatt 180
tacttctata gctgtattct gcaagagaac catttcacct ga 222

<210> 19094
<211> 438
<212> DNA
<213> A.fumigatus

<400> 19094
tatgttgtct actctccatt tcaggctcat cccaagtttg gcacgattct tgcctcctct 60
tcgtacgacg gaaaagtgct tatctggcgt gagcaacacc aaaacgcgac gtcccccgtt 120
gcaggcagca cctggacaaa agttttcgat ttctccctcc acactgcctc ggtgaatatg 180
gtttcctggg ctccacacga gagcggatgt ctccttgcct gcgcttcttc ggacgggcat 240
gtgagtgtcc tcgagttccg cgacaacagc tggacccatc agatcttcca cgctcatgga 300
atgggtgtga actcgatcag ctgggcccca gcagcgtctc ctggaagctt gatcagctcg 360
aaccctggcc caggtcaaca gcggagattc gttaccggtg gcagtgataa tctgctgaag 420
atatgggatt acaagtaa 438

<210> 19095
<211> 843
<212> DNA
<213> A.fumigatus

<400> 19095
aatatcaaag tactaatgcc aagacagcgt cgccgtcatg atttccttgt caagctcggt 60
aaaacttttg agaagcaggc aaacgcggga gtggatcgat tccgggccgc aaacgaagcg 120
tcggtcatag ctgaagttca ggcgaaggaa attcaggacg aaaaggaacg caagaaggac 180
atgcagcgga agcggcggcg tgagaatacg gtgcgtttgg aaatgcagaa gaagcttgaa 240
gcggagcgca aggcaaataa ggccaacgat gctgccgaga aggccaaatt cctccgcgaa 300
gcggaaaggg cccagagaaa gatcaaatcg accaagcgag ctctcgaagg tgtcacatcg 360
ccggaggaaa tcggagaggt cacgccgctt gctcctaatc tggaaggagg cactaccagc 420
tcattccaca tcggtcgcag ctccccatcg aggcgcaagt ctggacgctc ggggacctca 480
cggccgaaga aatccaagga gcagaagcag gccgagaagg atgcggccga agctgcttat 540
gctgccatgg agaatgatga gcccctgcct ctcgctccca aggaagatcc gagaaaggag 600
accctcaaga aagaagccaa gggtgcacgt tccaaagaaa ccacgcctgc gcccgtgtcc 660
gcattcgaat cgaagggtta caaccaaata tatgaacaga tctggcggga tattgcccgg 720
aaagacatcc ccaaggtcta tcgcatcaag acccttttctc tcagtacgcg tcaagaaaac 780
ttgcggaaga cagctcagct tgccagcaag cagtctcgca aatggcaaga gcgtacgaaa 840
tag 843

<210> 19096
<211> 252
<212> DNA
<213> A.fumigatus

<400> 19096
ccgtctaccg gctcatcacg cgcggcacca tcgaagagcg aatccgcaag cgagccctgc 60

agaaagaaga ggtgcagcgc gttgtcatct ccggcggtgc ggccggccgg agttgacttc 120
aacactcgct accgcgagag tcggaccaag gatatcgcca tgtggctggc ggatgatgaa 180
caggccgaac tgattgagca gtatgagaaa gaagcgctac accgcggtga ggtgtttggc 240
gctggcaaat ga 252

<210> 19097
<211> 507
<212> DNA
<213> A.fumigatus

<400> 19097
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cctcggacaa gctgctggag gagcacggaa tctacgtcca ggcgattaac tacccgaccg 120
tgcctcgggg ggaggagcgc ctgcgcatca cccccactcc gggacacgtc aaggaacacc 180
gcgaccacct ggttcacgcc gtccaggcgg tctggaacga tctgggtatc aagcgcacca 240
gtgactgggc agcccagggt ggatttgtcg gtgtgggtgt cgaaggcgcc gaggagcaga 300
accagcccat ctggaaggac gcacagctcg gcctggtcga gtacgagtct ctggagcagg 360
ccgtcgagcg tgagttccag caggcgcctc gcatgcaaac cgccactccc atccatcctg 420
ctgcggcccc tgctgcctcc atccccgttg gcgtggctgc ttaagaccgg tcgctgcctc 480
acgatccggt actgtcttca catataa 507

<210> 19098
<211> 720
<212> DNA
<213> A.fumigatus

<400> 19098
ctgaagttca ggcgaaggaa attcaggacg aaaaggaacg caagaaggac atgcagcgga 60
agcggcggcg tgagaatacg gtgcgtttgg aaatgcagaa gaagcttgaa gcggagcgca 120
aggcaaataa ggccaacgat gctgccgaga aggccaaatt cctccgcgaa gcggaaaggg 180
cccagagaaa gatcaaatcg accaagcgag ctctcgaagg tgtcacatcg ccggaggaaa 240
tcggagaggt cacgccgctt gctcctaatc tggaaggagg cactaccagc tcattccaca 300
tcggtcgcag ctccccatcg aggcgcaagt ctggacgctc ggggacctca cggccgaaga 360
aatccaagga gcagaagcag gccgagaagg atgcggccga agctgcttat gctgccatgg 420
agaatgatga gcccctgcct ctcgctccca aggaagatcc gagaaaggag accctcaaga 480
aagaagccaa gggtgcacgt tccaaagaaa ccacgcctgc gcccgtgtcc gcattcgaat 540
cgaagggtta caaccaaata tatgaacaga tctggcggga tattgcccgg aaagacatcc 600
ccaaggtcta tcgcatcaag acccttctc tcagtacgcg tcaagaaaac ttgcggaaga 660
cagctcagct tgccagcaag cagtctcgca aatggcaaga gcgtacgaaa tagagtatga 720

<210> 19099
<211> 321
<212> DNA
<213> A.fumigatus

<400> 19099
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agcggaagct ggattttctt gatctcgcag actgaactgt attctcactt cattggtcga 120
aagattaaag gcgccggaac aaaatcttct ggggataccg ctgtcgacgg ctccgatgag 180
actatccagc ctggcaaggc cgaccacacc attgatctgc cgcctaccgt cgccgacgtg 240
ggcgccaaag tcaccaattc tgaggacctg gatttcgacg cggaagatga gacggctctg 300
cggcaaggca gccttggcta a 321

<210> 19100
<211> 2625
<212> DNA

<213> A.fumigatus

<400> 19100
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aatcttctgg ggataccgct gtcgacggct ccgatgagac tatccagcct ggcaaggccg 120
accacaccat tgatctgccg cctaccgtcg ccgacgtggg cgccaaagtc accaattctg 180
aggacctgga tttcgacgcg gaagatgaga cggctctgcg gcaaggcagc cttggctaat 240
gcccagaacg ccgtcaaaga agctcaggag cgggcacgtg cctttaatgc cgaagagaac 300
ccaatggctg ctctcgacga gggcgaactg aactttcaga accccacgag tttgggcgat 360
atcgaaatct ctcagcccaa gatgcttacg gccaagctca aggaatacca gctgaagggg 420
ctgaactggc ttgtcaattt gtacgagcaa ggtatcaacg gtattttggc cgacgagatg 480
ggtctgggta agaccatcca gtctatatcg gtcatggcat acttggctga ggttcacaac 540
atctgggggc cgttcttggt cattgcgcca gcatcgacac tgcataactg gcagcaggaa 600
atcaccaagt ttgtacctga tatcaaggtg ctgccttact ggggttcggc gaaggatcgc 660
aaggttctca ggaagttctg ggaccgcaag cacatcactt acaccaaaga gtcagagttc 720
catgtccttg tgacatcgta tcagcttgtc gtccttgatt cgcagtactt ccagaaagtc 780
aagtggcagt acatgattct cgacgaagcc caggccatca agtcgtctca aagctcgcgg 840
tggaagaacc tgctcggatt tcactgccga aaccgtctgt tgctcactgg taccccgatt 900
cagaataaca tgcaggaatt gtgggcactt ttgcatttca ttatgccgac cttgtttgac 960
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accaaactta acgaggacca gctccggcgg ttgcacatga ttctgaaacc atttatgctt 1080
cgtcgcgtga agaaacatgt ccagcaagaa cttggagaca aagttgagaa ggatgtgttc 1140
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atggatctca ttgagaaggc cgccgttggc gatgaagccg acagcacgac actgatgaac 1260
ttggtcatgc agttccggaa agtctgcaac caccccgacc tgttcgagcg ggcagagaca 1320
aagtcaccgt tctcggttgg atattttgca gaaactgcct cgttcgtccg cgagggacag 1380
aatgtggatg ttcgctactc gacgcgcaat ctgattgagt acaacctgcc gcgcctttta 1440
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ggcaaatacc tgcagcactt gatgaatatt ttcaccccgg agaatatcaa gcgcagcatc 1560
gatgaggatg gtgccttttc gttcctgcgg ttcgccgaca cctccatcaa tgaggcgtac 1620
gagcagtccc atctcggcgt cttcgagcgg gcggtgcgcc gtcgtggcca gagcaacaga 1680
ctgtctcacc tgaatgttat ctacgatgat gaagaggacg agcaaacatc gaagtttgtg 1740
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accgtagagg gctacatgcg ggatctgatg aatgtctctg aggctacgtt tgaacgcgat 1860
ggcctaggcg tgattgaacc cagcgcgagc cctgcggctt cggcgcctcc gatcaccatc 1920
tcctgctctg gtcaagtggc tctcagggaa acccaggata ccttttttcaa cgtctccgtt 1980
cgtcatgccc tctttagcac gccttctaga cagatggaac agcagatcct cgagaagaag 2040
ctggaccccg ccccgttctc gcttccgccc atgttgccga agccgatatc caccaagggc 2100
cgatacacgc atattgaggt tccatccatg cggcgtttcg tcaccgattc gggcaagctg 2160
gccaaactgg acgaactttt acgtgagctc aaggcaggcg gtcaccgtgt gcttctgtac 2220
ttccagatga cacgcatgat tgatctgatg gaagagtatc tcacgtaccg caactacaag 2280
tactgccgct tggacggaag cacgaaactc gaggaccgtc gtgacaccgt ggccgatttc 2340
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tcgcaggcta tggatcgagc gcatcgtctc ggccagaccc gacaggtgac cgtctaccgg 2520
ctcatcacgc gcggcaccat cgaagagcga atccgcaagc gagccctgca gaaagaagag 2580
gtgcagcgcg ttgtcatctc cggcggtgcg gccggccgga gttga 2625

<210> 19101
<211> 576
<212> DNA
<213> A.fumigatus

<400> 19101
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ccttcccccc tcccaattcg actttttttcg cccttggtgt ccaagcttct ctctccaatc 120

tctcaacacc accaaaccaa ttcctgcctc gacgagtctc tctgctcgct cgctgctgtc 180
accatggagt ctcttctcca gcagtctcgg gcgatgtgcc cgttcctcaa gcgcacgtct 240
cccaccgctc tgcgtactct cgccacggct acccgtccca gcatgagtcc cggcggaggt 300
accatgtcga acctccaggt tatcgctcgt cgttgccctg tgatgagcaa ggccctggct 360
gtccagagtg cccgcatggc cggtgccaag aggttcacct ccactgccgc tggtgtgccg 420
ggaatgagca gcaagcattt ccgtcccgct cagaccagaa gagcgctgca cagtactgga 480
ggcaatggcg ccaatctcag ccctgatcta tacaagaaca ccgacagacg tgcgtactgt 540
tctcagccaa tggattggag atatatcgct aattga 576

<210> 19102
<211> 1581
<212> DNA
<213> A.fumigatus

<400> 19102
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acggttgccg gtccccgtcc tgaggttccc gcccccgctc cattcgacta caatgctttc 120
tacctgggtg aactggagaa gaaacacaag gacaagtcct accgctactt caacaatatc 180
aatcgtctcg ccaaggaatt cccccgtgct cacaccgcct cgatggaaga gcgggtgacc 240
gtgtggtgct caaatgacta tttgggaatg ggccgcaacc cggaagtgtt ggccaccatg 300
cacgagactc tggataccta cggagccggc gccggtggta ctcgcaatat ctcgggacac 360
aacaagcatg ccgtggctct agagaacacg ctcgccaacc tgcacggcaa ggaagcggcg 420
ctggttttca gctcgtgcta tgttgccaac gatgccacgc tcgcgacact gggaagcaag 480
atgcccgact gtgttatcct gtcggacagc ctgaaccatg catcgatgat tcagggtatc 540
cgtcactctg gcgccaagaa gatggtgttc aagcacaacg acctagtcga tttggagcag 600
aagctggcgt ctctgccatt gcatgtgccc aagatcatcg cgttcgagtc cgtttacagt 660
atgtgcgggt ccattgcccc aattgaagct atctgtgatc tcgccgacaa gtacggcgcc 720
attacctttt tggatgaggt ccatgccgtg ggtatgtacg gtcctcacgg ggctggtgtc 780
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cccggtttca tcttcaccac ctcgctgcct ccggcgacaa tggccggagc caacacagcc 1020
atcctgtacc aggcacgcca caagggcgac cgtgtgctgc agcagttgca cactcgggcc 1080
gtgaagaagg cattgaagga actggatatc cccgtgattc cgaacccttc tcacatcgta 1140
cctcttctgg ttggtgatgc cgagcttgcc aagaaggcct cggacaagct gctggaggag 1200
cacggaatct acgtccaggc gattaactac ccgaccgtgc ctcgggggga ggagcgcctg 1260
cgcatcaccc ccactccggg acacgtcaag gaacaccgcg accacctggt tcacgccgtc 1320
caggcggtct ggaacgatct gggtatcaag cgcaccagtg actgggcagc ccagggtgga 1380
tttgtcggtg tgggtgtcga aggcgccgag gagcagaacc agcccatctg gaaggacgca 1440
cagctcggcc tggtcgagta cgagtctctg gagcaggccg tcgagcgtga gttccagcag 1500
gcgcctcgca tgcaaaccgc cactcccatc catcctgctg cggcccctgc tgcctccatc 1560
cccgttggcg tggctgctta a 1581

<210> 19103
<211> 681
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (477)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19103
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aagccaacct ggacgcaacg caccctgccg acgtataccc gatcgacgtg ctcgtcccca 120

acgggctggt caccctccgc cagctccccg gcgtcaagga gtgggccgac accgtctccg 180
ccggcctccc cgtggccacg acctcgcgct acgtctcccg ccgcgtcgag gcggtcgtca 240
agtccggcaa caccacccac ctccagatcc tccgcttcat cctcctcctg ctcgagttcg 300
cccgctccct acgctccggt cgagacccca aatcgtccgc tggaccaggc agcaagcgcc 360
tcccgcatag cgagggagtg tgaggcatcc tatcctcggc ctcgggcaac cccgcctcga 420
ccagcaagca gcaacagcag aatacaagcc aatccgacgc cggcactctc ccggacnccg 480
tcatcgacgc cctccgccgc aaattcgccc cgcagggctc tcacctcacc aagaacgacc 540
ttaccttcct gcacaccacc atctgcgcgc tctcgctgca tattcccccg cagcccgcca 600
aggacggcgg cgccagctcc ctgggcggca actcgcccaa cgagctggcc accgaccccg 660
ccgatctgcg cgacgacctg a 681

<210> 19104
<211> 459
<212> DNA
<213> A.fumigatus

<400> 19104
cgagtgttga agtcaactcc ggccggccgc accgccggag atgacaacgc gctgcacctc 60
ttctttctgc agggctcgct tgcggattcg ctcttcgatg gtgccgcgcg tgatgagccg 120
gtagacggtc acctgtcggg tctggccgag acgatgcgct cgatccatag cctgcgagtc 180
aatagtcggg ttccaatccg aatcgtagaa aatgaccgtg tcggctgcag tcaggttgat 240
acccagacca ccggcacggg tcgacaagag gaacacaaag atctcgggcc gttgttggaa 300
atcggccacg gtgtcacgac ggtcctcgag tttcgtgctt ccgtccaagc ggcagtactt 360
gtagttgcgg tacgtgagat actcttccat cagatcaatc atgcgtgtca tctggaagta 420
cagaagcaca cggtgaccgc ctgccttgag ctcacgtaa 459

<210> 19105
<211> 384
<212> DNA
<213> A.fumigatus

<400> 19105
gacatcgcct ccaaggcggc cgccgtgcag gcgcaggtgc aagccaataa gcctatcccg 60
caagccaacc tggacgcaac gcaccctgcc gacgtatacc cgatcgacgt gctcgtcccc 120
aacgggctgg tcaccctccg ccagctcccc ggcgtcaagg agtgggccga caccgtctcc 180
gccggcctcc ccgtggccac gacctcgcgc tacgtctccc gccgcgtcga ggcggtcgtc 240
aagtccggca acaccaccca cctccagatc ctccgcttca tcctcctcct gctcgagttc 300
gcccgctccc tacgctccgg tcgagacccc aaatcgtccg ctggaccagg cagcaagcgc 360
ctcccgcata gcgagggagt gtga 384

<210> 19106
<211> 483
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (94)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19106
ggcatcctat cctcggcctc gggcaacccc gcctcgacca gcaagcagca acagcagaat 60
acaagccaat ccgacgccgg cactctcccg gacnccgtca tcgacgccct ccgccgcaaa 120
ttcgccccgc agggctctca cctcaccaag aacgacctta ccttcctgca caccaccatc 180
tgcgcgctct cgctgcatat tcccccgcag cccgccaagg acggcggcgc cagctccctg 240
ggcggcaact cgcccaacga gctggccacc gaccccgccg atctgcgcga cgacctgagg 300

ctcgagagcg ccactatcct gcagtacttc cgcgaactgg gctgccgcgt cgacaagccg 360
cgcgagagcg agttcgcgaa atggaatatc aagggtggca aggccgaggc ggccgcgaga 420
cggattgccc ggctcaagat cccagtggaa tttcccaagg tgagccgcgg tggaaggagg 480
tga 483

<210> 19107
<211> 207
<212> DNA
<213> A.fumigatus

<400> 19107
atagggaggc agagaaagtt ggcgcagaaa gaattgttat tgatcggaaa tgactccgct 60
actacgaagt ttcttgtatt tagaaaggaa aggtcccaat attatgttcg atataagccc 120
gctaagatac ttacattaga tatcagcgat gtctcagttg gacagatgcg gactatttca 180
gttggaattg tacctcagac ccattga 207

<210> 19108
<211> 1152
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (303),(386)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19108
gtctacaagt ccgcaacagt tgacgttaat ctcctccact tcgcaccttc cacacaggca 60
ggaactacta caggtgtacc aatggatcca gcaaccgaaa aactctacgt ttcagcagaa 120
aacgccagga catttgtcca gtcagtctta acaggcaacg gcgtctcccc tgagaatgcc 180
actatcatcg ccgactgtct agtccgtgcc gacctacgcg gagtggacac ccacggcatc 240
aatcgcatcc catcgtacat ggaacgcatt cgtcaaggag tgttagacgc caaagccacc 300
ccngtggtga accaggtcac gccggtcgtg gctcaggtag atggacagaa tgggttcggc 360
ttcatcgcag cgcatcttgg aatganacgg gcgattgaga tggcgcgcga gttcggcatt 420
gggtttgttt ccgtcaagca ttcgaatcat ttcgggatgt ccgcgtgggt ggtgcagcag 480
gcgctcgacg cgggaatgat gagtcttgtt ttcacgaact cgtcgccggc gttgcctgtt 540
tggggtggga gagagaagtt gatgggagtg tctcctttgg cgagcggtgc gccggcggga 600
aaggagaagc catttatttt ggatatggca ccctcgattg cggcgcgagg caagatctac 660
aaggctgcga ggaggggga gaaaattccc agcgattggg ctttggatgg tgagggacgg 720
cctacggatg atccgcacaa ggctcttgag ggtgtgatgt tgcctatggg agggccaaag 780
ggatcggcgc tcgcggtcat gatggatgtt ttctctggag tcctgtctgg ctcggcattc 840
gcgggtcatg tcactaatcc ctatgatcct tccacaccgg ctgatgtagg gcattttctc 900
gtcgctatca agcccgatct cttcatgggc ttggaggagt tcaaggagcg gatggattat 960
ctttatcaga gggtggtggg ctccgagaaa atggctggag tagatcgcat ctactttcct 1020
ggggaaattg aacagatcac gcacgaggag agattgaaga cgggtattcc atatgtccaa 1080
gcagaaatcg atgcattgaa tagggaggca gagaaagttg gcgcagaaag aattgttatt 1140
gatcggaaat ga 1152

<210> 19109
<211> 921
<212> DNA
<213> A.fumigatus

<400> 19109
tcccgcctat cctcaaccgt tgacgtccga accaaacacc acgacaccta ccattactgc 60
tcaacaacca tcaaaatgac caccgactac agcaagaaga cgaacgcgga gctagtggag 120

attctcaaat ctcgctcgct ccctcacaca ggcaagaagg cggagatggt cgctcgcctc 180
caggaagacg accaaaacaa agccaaggcc gcaacggccc ctgcccctgc ccctgctgca 240
aagactgacg ccgcggacga cgtcattgac tgggaagatg atgatgtacc tgctgctgat 300
actactgccg tgaagccttc aactgaggct ggcgccgctg ccattgctgc tggcggcaaa 360
ggtgcggtcg ccaaccccgt cgctgttccg aaccagaaag tcgataccga ccccgctact 420
acgaacgatc tgaaggtcga atcaaagggc gcggcaccat cggccgagag tggggcgcaa 480
gggcacgaag gcacggaagg tgcgccagtt gaggcagcac ctgctgcgcc ggccgaaaaa 540
aaaccggcac cggactattc tatggggctg cccatcaccg agatggaaga ggagttgaag 600
aaacgcaagg ctcgcgcgga gaagtttggt attaccgagg agtctaaggc tgcaattgcg 660
gaggcggaga agcaactcga aagggcgaag cggttcggta ctgtggttca tcctactcct 720
gctggtggtg tcaaaggcct ggacgaagct ctcccgacag agaagtctcg caagagaggc 780
cggggtgata atgaccaagc ctcacgaggg ggcaagcgac gtgatattgg gggccgaggc 840
aaattccggg gaaaacgccg cggaaatcga aaccagaatc aacggaatga aggaaccctt 900
ggaaaccaac ggccaagata a 921

<210> 19110
<211> 3417
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (2324)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19110
agatatatta ctctctacct catttgcgga ctactcatag ctgccaacat gtctgacggt 60
gggtttcttc caccctaac cgatgacgcc gtgctgatcg cctctgcagc tgatttcgaa 120
gctgttcgca aactccaagc tgagcggaat gccgctacag ctgggaagaa aggttctagg 180
acctttgatt cgtctagcca gcgcactgac aactccacca aggcctccct gaccgaaacc 240
tttgatacta ctctgtacga ccgcgagggt cccgacaaat acgcaggcta taacacgtcg 300
atcgctgttg atggtgatga agaaatggaa gacgaggacg gcggtcaccg tctggttggt 360
cagtataccg caaccagaga tcagattgac gagcttgccc acggcaatgg cgtcgaggag 420
gaggatatca ttactggacg cgaaaaggcg gccaggattg cggacaggga aacagactat 480
caaaagcgtc gattcaatcg aggccctttg acgccaacca gggctgatcc ctttgcggcg 540
aacactcatg ccaacgtgga gacagatggc cagacatacc gtgaaattat ggcactccgt 600
gaactagaga aagaagaaga gcgtgtccag aagctgatcg cagagaaaca ggcacgtggc 660
gagatcggtg tcactgaaca tgaggccact ctgaagtcag aggataagga taatgccgat 720
gctggctcga cagtctctgt cgccacggga cgaaagcgca agcagcggtg ggatgtatct 780
aacgagccca ctgaagctgt tcctgaagct cctcagcctt ccgagacgaa aacaaaaaga 840
tcgcgatggg atcaaacacc cgcccctgct gtcctggca ccaccggaga ggctcccaaa 900
cggcgatcaa gatgggatca agctccagca atcacagccg caacaccggt tggcaatcag 960
ggactcgcga cgccaatgca tccgtctcaa gtaggtgtac ctatgattcc aaccagtttt 1020
ggaactgata tctctggtcg gaacgccccct ctctccgatg aggaacttga tatgatgctt 1080
ccctcggagg gttacaagat tctcgagccc ccgccgggat acgcaccgat ccggacacct 1140
gcaaggaagc tcatggcaac cccagctcct gttcccgcgg ctggcggagt aggagggttt 1200
atgatgcagg agcctgagag tgcccgcgca ttgggcaagc agctgccaac tgaaatccca 1260
ggtgttggcg atctccagtt cttcaagccc gaagatatgg catactttgg caaattgatg 1320
gaaggggcg atgagagcac gatgtcggta gaggaactga aagagagaaa gattatgagg 1380
ctgctgctca aggtcaagaa cggcacacca ccaatgagaa agactgcttt gcgtcaactc 1440
acagataacg cgcggcaatt cggcgctggt cctcttttca accagattct ccccctgctc 1500
atggaaaagt cactcgaaga tcaagaacgt cacttgttgg tcaaggttat tgatcgcgtg 1560
ctttacaagc tagatgatct tgttcgcccg tacgtccaca agattcttgt cgtcatcgag 1620
cccttgctca tcgaccagga ttactatgct cgtgttgaag gtagagaaat catctccaac 1680
ttggcaaagg cggccggtct tgctaccatg atcagcacca tgcgtcccga tatcgaccac 1740
gtggatgagt acgtccggaa cacaactgcc cgggcctttg ccgtcgttgc ctctgccctt 1800

ggtattccgg ctctgcttcc gttccttcgt gctgtgtgtc gcagtaagaa gtcctggcaa 1860
gcccggcata ccggagtcaa gatcgtccaa cagattccca ttctcatggg ttgtgccatt 1920
ctacctcacc tgaaaggtct cgttgactgc attgcggaca atctgagcga tgaacaggcc 1980
aaggtccgaa ccgtcactgc ccttgccgtg gctgctctag ctgaggctgc caatccttac 2040
ggtatcgaga gtttcgatga gattcttaac ccgctctgga ccggagccag aaagcagcgt 2100
ggaaagggtc tagctgcttt tctgaaagct gtgggctaca tcattcctct catggacgaa 2160
gaatatgcca actactacac cagtcagatc atggagattc tcctacgtga gttttcttct 2220
cctgatgaag aaatgaagaa ggtcgttctc aaggtggtat cacagtgcgc gagcactgac 2280
ggcgtgacgg ctagctatct caaggaactc gtgttgaacg actntttcaa gagtttctgg 2340
gtcaggcgaa tggcgttgga cagaaggaac taccgtcagg ttgtggacac gactgtcgat 2400
cttggacaga aggtcggtgt gggagaaatt cttgaacgtg tggtcaataa cctgaaggat 2460
gagagcgagc cttatcgaaa gatgaccgtt gagactgttg agaagctcat tgcagccctc 2520
ggggctgccg atatatcaga gcggcttgaa gaaaggctga ttgacggtgt cctctatgcg 2580
ttccaggagc aaagcattga ggacattgtg atcctcaacg gtttcggtac ggtggttaac 2640
gcacttggta ctcgctgcaa gccctacctc ccgcagattg tcagtaccat cctttggcgt 2700
ctgaacaaca agtccgctac agtccgccag caagctgccg acctcatctc ccgtatcgca 2760
atggtcatga agcaatgcgg agaagatgcg cttatgggca agcttggcat tgtgctctac 2820
gaatatctgg gtgaggagta tcccgaagtt ctcggttcca tccttggcgc tcttcggtcc 2880
attgtcacag tcgtgggtat caaccagatg cagccaccca ttcgcgacct tctgccacgg 2940
ttgactccca tcctccgtaa ccgtcatgag aaggtccaag agaacaccat tgatctggtc 3000
ggtcgtattg ctgatcgtgg gcccgaatcc gtcaacgctc gcgagtggat gcgtatctgc 3060
ttcgaactgc tggacatgtt gaaagcccac aagaaaggta tccgtcgtgc agcgaataac 3120
acttttggct tcatcgccaa agctatcggc ccccaggacg tcctggcgac tctgcttaac 3180
aacctccgtg ttcaagaacg tcagtcccgt gtctgtaccg ctgtcgccat tggtattgtg 3240
gccgagacct gcgctccgtt cactgtcctt ccggctctga tgaacgaata ccgtgttcct 3300
gagctgaatg tccaaaatgg tgtgctgaag gccatgtcct ttttgttcga atacatcggc 3360
gagatggcca aggactatgt gtacgccgtt attcctgttt tagagacgcg gcaggaa 3417

<210> 19111
<211> 411
<212> DNA
<213> A.fumigatus

<400> 19111
tccggtgccg gttttttttc ggccggcgca gcaggtgctg cctcaactgg cgcaccttcc 60
gtgccttcgt gcccttgcgc cccactctcg gccgatggtg ccgcgccctt tgattcgacc 120
ttcagatcgt tcgtagtagc ggggtcggta tcgactttct ggttcggaac agcgacgggg 180
ttggcgaccg cacctttgcc gccagcagca atggcagcgg cgccagcctc agttgaaggc 240
ttcacggcag tagtatcagc agcaggtaca tcatcatctt cccagtcaat gacgtcgtcc 300
gcggcgtcag tctttgcagc aggggcaggg gcaggggccg ttgcggcctt ggctttgttt 360
tggtcgtctt cctggaggcg agcgaccatc tccgccttct tgcctgtgtg a 411

<210> 19112
<211> 210
<212> DNA
<213> A.fumigatus

<400> 19112
atcttgcctc gcgccgcaat cgagggtgcc atatccaaaa taaatggctt ctcctttccc 60
gccggcgcac cgctcgccaa aggagacact cccatcaact tctctctccc accccaaaca 120
ggcaacgccg gcgacgagtt cgtgaaaaca agactcatca ttcccgcgtc gagcgcctgc 180
tgcaccaccc acgcggacat cccgaaatga 210

<210> 19113
<211> 987
<212> DNA

<213> A.fumigatus

<400> 19113
atccttgaag tctgctacaa atgtggtgtg aaagttgtga ccatatatgc gtttagcatc 60
gagaatttca aacgctccaa gttcgaggtg gatgcattga tggatatggc caaagtgaaa 120
ttgcaacaga tggcacagca cggagatctt ttggatcgct acggagcaaa ggttcgagtg 180
ctgggtcggc tggacttgtt gaagcccgac gtccttgacg cggtgaatcg agctgtggaa 240
atgaccagcc gcaatggtga acgtgtcctt aacatctgtt ttccatatac atcacgagat 300
gaaatcaccg gtgctattcg cgatactgtc gccgattact caaagcccct gcaatccatc 360
cgctcaaact cttccgcgcg aacaccattc tccgaggctc aaattgcgct caaaatccgt 420
gctcaagcac agagtgcgaa ggtggaacaa gatacaatta gtgataacga atctacctcc 480
gtgtcctcca taccagaaga agatccaagt gacagaagtg aaggtccaga cagagtctac 540
gaagcgggtt ccgggttctc ctcctctaca acactacatc tcggtgggca tcaagacgcg 600
gcgaatggga aggctccaga gctagggaac gcatcggaat cgggaaagat tgtctttcca 660
tcaccagaca ccatcacccg tcagacacta acagatcata tgttgaccaa gggcaacccc 720
ccacttgatc tgctggtccg aacatctgga gtggaacgtc ttagtgactt catgctctgg 780
cagtgcgatg aggacaccga aattgtcttc ctggatgttc tgtggcccga gtttgatttg 840
tggcatttcc tgcctgtcct tctcagctgg cagaggagga tctctaagtc gaagaagaac 900
ccgaggctga aggaaacttt gatggtgaca tcagtgaaag ttctgatgcc gaattccatt 960
ccggtgggaa acgtcaaagg cttgtaa 987

<210> 19114
<211> 336
<212> DNA
<213> A.fumigatus

<400> 19114
tttgtagcct gccgaaccct tgagagtgcc cagaagctct gccaaggttt ccccaacacc 60
aaggctattg ccctcgatgt gaacgatgcc gctgctctgg acaaggcttt cgagcaggcc 120
gaccttgcta tttccctgat tccttacacc ttccacgccc ttgttatcaa gtctgccatc 180
cgcacaaaga agcatgtcgt caccacctca tatgtctccc ctgccatgat ggagttggac 240
gaggaatgca agaaggccgg catcacagtc atgaacgaga ttggtctgga cccggtatgt 300
tcagcatcca cattgcgtat aaatgtcggg atctga 336

<210> 19115
<211> 576
<212> DNA
<213> A.fumigatus

<400> 19115
ctcctgcccc taccgcgagc ggtaccagat ccccgaggcc cagaccgtca tccgtggtac 60
tctgcgctac cagggcttcc ccgagatgat caaggtgctg gtggacattg gtttcctcag 120
cgacgaggcc aaggacttcc tcaactcccc catcccctgg aaagaggcca cgcagaagat 180
tctcggagcc acctcatcgg acgagaagga cctggagtgg gccattgcct ccaagaccac 240
cttcacggac aaagattggg ggcaaccgcg tcatctccgg cattcgttgg atcgcctatt 300
attcggacga gcagatcacc ccccgcggta acccccctgga cacttttttgc gccactctcg 360
agcgcaagat gcagtacggc cccggcgagc gggacatggt catgctgcag cacaagttcg 420
gtatcgagca caaggacggc tccaaggaga ctagaaccag cacccttgtt gagtacggtg 480
atcccaacgg ttactccgcc atggccaaga ccgtcggtgt cccctgcgga gttgcggtca 540
agctggtcat cgatggcacc atcagccaga aggtga 576

<210> 19116
<211> 309
<212> DNA
<213> A.fumigatus

<400> 19116
tccacaatgg ctacatcaat gcacctatcg aagctccgaa attggttcct cgcgtctccg 60
ccggccgagt tcatcatagc caagctgcgc gagctattga tcggagcgct caagcaaggg 120
ccggtcccac agcacattgc atttgttatg gacgggaatc ggagatttgc aagatcgcat 180
ggcattgaga ccgtggaggg gcataatctg ggattcgagg ctctggcaag ggtaagccgc 240
ccctttcga agatctgcct gttgttgcaa aagcacccac ccggttcttg gctgttcgtc 300
tggtactga 309

<210> 19117
<211> 624
<212> DNA
<213> A.fumigatus

<400> 19117
ggcatcgacc acttgtacgc tgtcaagacc atctccgagg tacacgccga gggtggtaag 60
atcacttctt tcctctccta ctgtggtggt ctccctgccc ccgagtgctc cgacaacccg 120
ttgggttaca agttttcgtg gtccagccgc ggtgttcttc ttgcccttcg caacgccgcc 180
aaattttacc aggacggcaa ggagttcagc gtggctgggc ccgacctcat ggctaccgcc 240
aagccctatt acatctaccc cgggtacgcc ttcgtcgcct accccaaccg tgactcctgc 300
ccctaccgcg agcggtacca gatccccgag gcccagaccg tcatccgtgg tactctgcgc 360
taccagggct tccccgagat gatcaaggtg ctggtggaca ttggtttcct cagcgacgag 420
gccaaggact tcctcaactc ccccatcccc tggaaagagg ccacgcagaa gattctcgga 480
gccacctcat cggacgagaa ggacctggag tgggccattg cctccaagac caccttcacg 540
gacaaagatt gggggcaacc gcgtcatctc cggcattcgt tggatcgcct attattcgga 600
cgagcagatc acccccccgcg gtaa 624

<210> 19118
<211> 408
<212> DNA
<213> A.fumigatus

<400> 19118
gttcgttctt ctgactctgc ttttagggca tcgaccactt gtacgctgtc aagaccatct 60
ccgaggtaca cgccgagggt ggtaagatca cttctttcct ctcctactgt ggtggtctcc 120
ctgcccccga gtgctccgac aacccgttgg gttacaagtt ttcgtggtcc agccgcggtg 180
ttcttcttgc ccttcgcaac gccgccaaat tttaccagga cggcaaggag ttcagcgtgg 240
ctgggcccga cctcatggct accgccaagc cctattacat ctaccccggg tacgccttcg 300
tcgcctaccc caaccgtgac tcctgccccct accgcgagcg gtaccagatc cccgaggccc 360
agaccgtcat ccgtggtact ctgcgctacc agggcttccc cgagatga 408

<210> 19119
<211> 513
<212> DNA
<213> A.fumigatus

<400> 19119
tcaaggtgct ggtggacatt ggtttcctca gcgacgaggc caaggacttc ctcaactccc 60
ccatcccctg gaaagaggcc acgcagaaga ttctcggagc cacctcatcg gacgagaagg 120
acctggagtg ggccattgcc tccaagacca ccttcacgga caaagattgg gggcaaccgc 180
gtcatctccg gcattcgttg gatcgcctat tattcggacg agcagatcac cccccgcggt 240
aacccccctgg acacttttttg cgccactctc gagcgcaaga tgcagtacgg ccccggcgag 300
cgggacatgg tcatgctgca gcacaagttc ggtatcgagc acaaggacgg ctccaaggag 360
actagaacca gcacccttgt tgagtacggt gatcccaacg gttactccgc catggccaag 420
accgtcggtg tcccctgcgg agttgcggtc aagctggtca tcgatggcac catcagccag 480
aaggtgagtc atcaacattc tttcccgtgt taa 513

<210> 19120
<211> 243
<212> DNA
<213> A.fumigatus

<400> 19120
caaaatatca tcatggtcct ccacaacccc aacaactggc actgggtgaa taaggatgcc 60
tcggcttggg ccaaaactta tttgaaagag aagcttcgta cgctatccgc tgaggaggat 120
ggcgtctccg tgaagatttc ggacctactg actatggacg gcgacgtaga cgtcagccag 180
agaaagggca aggtcatcac tttgttcgat gtcaagttac agctagagta cgaaggttcg 240
taa 243

<210> 19121
<211> 834
<212> DNA
<213> A.fumigatus

<400> 19121
tttgagatcg agaactactc tgattccgcc tccaagcaac cggtgaagga ccttgttcgt 60
tcgaagcttg tcccccaaat cagacaagag cttggcaagc ttgctcccgc cttgatcgcc 120
gaacacggaa aggacattca acatgctcct ggcgttgacc cttccagcgg tttcgctaca 180
ccaccctcct atcctcagac ttccaagggt gctagccctg ctcctcagac gacgacgacc 240
accaccacca ccaacaaggt cgctgtcaac accaccacag tcactgcctc agacgagttc 300
cgtaccaccg ctgaggagat gtataccacc tttactgatc ctcaacgtat cgcggctttc 360
acccgtggag cacctcgtca atttgacggc gcgcaagttg gtggaaagtt ctctatcttc 420
gatggcaatg tgaacggaga atttgtcaag ctcgacaagc ctaagcagat tgtccagaaa 480
tggcggctgg cgcagtggcc tgaaggccac ttcagcactc tcgagatcaa cttcgatcaa 540
aacgacgttg atgccgtcac ccagatgcgt gtcacctgga ccggcgttcc tgtcggccag 600
gaagatgtga ccaaacagaa ctgggacgtc tactacgtcc gcagcatcaa gcagactttc 660
gggtatgtca ttcttccctg ttccagcatc caattgcttc cttaccatgt tcctctcaga 720
tctcgtccta cgtcttggag acagctgctg attgctttgt ttgttctttt catcgctata 780
ggtttggcac tattctctga tcgcatccac ggagttctgg aaaccacgta ttga 834

<210> 19122
<211> 231
<212> DNA
<213> A.fumigatus

<400> 19122
gctgagggaa gaaaaagagg cagaacggaa ggtagggaga agacgcaaag ctcttcgtgg 60
actttctccg ttgctgacga tactggtcag gctcaaatac aaaagatcaa ggatcggaga 120
gctgccaagg aagaaaagga acgctacgag aaaatggcag agaaaatgca tcgcaaacgt 180
gttgagcggc taaagcgaag ggagaagcgt aataagttac ttcactcgtg a 231

<210> 19123
<211> 864
<212> DNA
<213> A.fumigatus

<400> 19123
gcagctggaa tggctggcaa ggtcattgaa tatcctttcg acactgtgaa agtgcgcctc 60
caatcacaac catctcatat tccacttcgg taccaaggcc ctttggactg cttccgccaa 120
tcaatacagg cggatggtct acgagggctc tatcgaggca tcagtgctcc actggcaggt 180
gctgccatag agaatagctg cctcttttc agctaccgca tcattcaaga tattttaagg 240
gccacctgct accctacagc ggattctatg cctttctcag ctctattgtt cagtggtgcc 300
gcttccggct ctatcacctc gctcgcactt acccctattg agctcatcaa atgcaaaatg 360

caggtgccac ttgaagcttc tagcagcaag atgcccgggc cactgactct tattgccgct 420
atatttcgtc aggacggtat tcttggtttc tggaggggcc agatgggaac gttgatccgt 480
gagaccggag gaggagctgc ctggtttggt ggctatgaag gagtatccgc ctttttcga 540
aaataccatt caacagtgtc gcctcgcgac tctgagtcac ttccaatcta tcaacagatg 600
atcgcagggg ccgcagcggg tataagctac aattttcttt tctatccggc tgatacagtc 660
aaatcgcgca tgcagaccga ggatatcaat agtccaggaa atagtggcca taggcaaact 720
ttctggagtg ttggcagagc tttatggaag cagcaggggc tgagggcatt gtaccgaggc 780
tgcggtatta catgtgcccg ttctgcgccc agctcagcgt tcatcttcac catatacgaa 840
gggctacgga attgtttctc ctga 864

<210> 19124
<211> 216
<212> DNA
<213> A.fumigatus

<400> 19124
gcaggtcctt attccaaatt ccgcgttggc gcttgtgttc tcactaaggc aggcgagtat 60
attgctggtg ccaatatcga gaatgtcgca tatcctgttg ggacctgtgc ggaaagggta 120
gcttttggta ccgcgatcgt aagtacttct tatgatgtct ccttatccac atggcttgtt 180
agagtcaatg catacggttg gcccgaaact tcgtga 216

<210> 19125
<211> 465
<212> DNA
<213> A.fumigatus

<400> 19125
agactttcac ctatcacgag tagtgagtgg ccaactgaga ttcttggtgt agaagccctt 60
agctccaatt tgtccgagct atcagtatcc gttcgagagc gtgcagccaa agatgccgcc 120
aagaaggaag ccaaagctgc tgctgctgaa gcacgcgacg ccgagcgaaa ggcagcggcc 180
aaggttcaga tcaagcgtgt tgagcgcaac aaacgcaaac atgtcaccgt tatcacaggg 240
ttggaagtac atggtttgga aaacaagaaa gtcgcaaagg aactgggaaa gaaattcgct 300
actggttcct cggtaacgaa gtcacccgca ggggtcgagg aaatcacagt acaaggtgac 360
gttagtgagg acgttaaaga gtggcttctg gaactatatg ggaaggagat tcctgaatcc 420
aatatcgagc ttgtcgagga taagaagaag aagacaagtg gctga 465

<210> 19126
<211> 192
<212> DNA
<213> A.fumigatus

<400> 19126
atcactccgg ctatgcctgc atctttgatg ctaggttctt acgagtttta ttcgtcggct 60
ttatgtgaca tttgtcctcg acatgactcc acggttctgt ccgcctccag acgctggacg 120
acttgcgttg ctgcccctta ttcaccagct ttggttaatg acagcgcctt tgttaacttc 180
aagatttatt ga 192

<210> 19127
<211> 309
<212> DNA
<213> A.fumigatus

<400> 19127
gcaactgatc caggtccgac catgtcgcga cctctcccag cggtgttccg ccccatcttg 60
gggcggcgga atttctcagt ctccgccaac aagagagcca tcaataaagt atgcgcgtct 120
gctcaggaag ccatcaagga catgaagggt tcgtctactg tgctgtgcgg tgggtttggt 180

ttctccggtg tcgccaatac cctgatcaat gctgtgcgtg atcgtcccga tatcaaggat 240
ctgactgtcg tctccaacaa tgctggaatg cctggtgctg gtttgggtat gttatctgcc 300
atcaggtga 309

<210> 19128
<211> 246
<212> DNA
<213> A.fumigatus

<400> 19128
catctttcag gccaactcct cgagtctggt cagattacca aaatgattgc ttcgttcatc 60
ggtgaaaaca aggtctttga aaagatgtac ctgaacggcg acctcgctct ggaacttacc 120
cctcaaggca ctattgctga gaagtgtgcg gctggtgcag ctggtatccc cgctttctac 180
acccccgcag cttatggaac cattggtagg ttagatcggg atttacggct tcaaattcgc 240
agctga 246

<210> 19129
<211> 216
<212> DNA
<213> A.fumigatus

<400> 19129
gaacctagca tcaaagatgc aggcatagcc ggagtgatct ataactatat tgttccccaa 60
tcagacatgc agagtcaatt attagcccgt gaaatcgggg tccataagac cttattcaat 120
atccatgagg acatcactca ttatgtgaag gacgtgagag aactttcgga cgctccattt 180
cccagagtcc ttcaggagcc ccgcgtagtc gagtag 216

<210> 19130
<211> 207
<212> DNA
<213> A.fumigatus

<400> 19130
agatacggac tgtccaagac ttatcgtatc aaacactcgc tcaatgctgg agaatacatt 60
tccacctctc atatcgtcat cagcgcgcat ataaacaaat ctctcgccat aaaccaagca 120
tcaagcctac cccccgtcgt ggccccatcc ctggttcctg acgtcaagga tgtggaccgg 180
accagggtgg agatagttat tccttag 207

<210> 19131
<211> 339
<212> DNA
<213> A.fumigatus

<400> 19131
gttagatcgg gatttacggc ttcaaattcg cagctgacga tagcagtcca aacgggtgaa 60
ctgcccgtcc gttacaacaa agatggcacc gtcaaggaat actcgaaacc caaggaagtc 120
cggcaattca acggcaagaa ctaccttctg gaagaatcca ttttcggcga ctacgctttg 180
atccgtgtcc acaaggccga caaactcggt aactgccagt tccgcaaggc catgaacaac 240
ttcaacgagg ccatggctaa gaacgccaag tacaccatcg tcgaggccga ccacattgtc 300
gtcttcacca cggggctgga aggatccgcg atggtcaag 339

<210> 19132
<211> 402
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (3)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19132
atngtccacg ccatgttgcg ctctttctca ggggcaggta aatgcaagtg ccgaataccg 60
gtctcgaggc agccagtctg tggtcggtcg ctgagaatca gcagcacact cactccatgg 120
aatcaatctc ggagagctgc gtcgaccgtc actagcttgg acagttttcc gaatgtcggg 180
gagaaacttc atgggtttac agtccaggag aagaaacatg tgccagagtt gcaccttaca 240
gcagtacggt taaagcacga caagacagac gcagattacc ttcatgtcgc tagggaggat 300
aagaacaatg tctttggtat tgggtttaag acgaaccccc cagatgcgac tggtgtacca 360
catattttgg agcacaccac gttgtgtgga agtgaaaagt ga 402

<210> 19133
<211> 279
<212> DNA
<213> A.fumigatus

<400> 19133
aatcgtattc taacactact tgttgcagat ctccgtctga tccaaaccca gctgaacact 60
ttgaaacgga gcgatccgtc tacactaagc atccacggcg tccttgcaga acggctccag 120
tcaggaatac agagtatgca caccccgccg gacaatggac ctgattttgc gttcccggcg 180
ccgaatatgg attattcgtg gaccatcttt gatcagcaga tcatgaatct agccaacccg 240
ccttggcttt ttgatgactc ttcccaagcg ccgccatga 279

<210> 19134
<211> 3042
<212> DNA
<213> A.fumigatus

<400> 19134
agcacgacaa gacagacgca gattaccttc atgtcgctag ggaggataag aacaatgtct 60
ttggtattgg gtttaagacg aacccccag atgcgactgg tgtaccacat attttggagc 120
acaccacgtt gtgtggaagt gaaaagtgag aaagcttcgg tccgactctt gcgcgagtat 180
aaatgcgcct ttcgagacgg acttattgct gatatgcctc cacattgcag atacccaatt 240
cgcgacccgt tcttcaagat gcttccgcgg tcattgtcga attttatgaa tgctttcacc 300
tccgccgacc acactacgta cccattcgcc acaacaaatc ggcaggactt tcaaaaccta 360
ctatcagtat atttggacgc taccctacac ccattgctga aagaagaaga cttcagacag 420
gagggttggc ggctgggacc agaggaccct cgttctattc taacccaggg agagcaatcc 480
aagggaaacc tgcagtcaga agatgtggtt ttcaaaggtg tcgtctacaa cgaaatgaag 540
ggacagatat cagatgccaa ttatctctac tacatcaaat accgtgaaag tatctgcccg 600
tcgctgaata actctggcgg agaccctcag tacatcaccg atttgacgca ccagcagctg 660
gtagacttct ccaagcggaa ttaccatccc agtaacgcca agatcttgac atacggagac 720
atgcctctga gcgtacactt gaaacagatc ggtgaggtac tggatggttt tgaaaaggga 780
caggccgata cagatgtcaa gctgcccttg gacctgagtc gcgggcccct gaatgtcact 840
gttcccggac ccatcgacac attcgccagt gaggacaagc agtacaagac ctccacctct 900
tggtacatgg gcgacactac cgacgtcgtc gagacgttct cggtcggaat tctgtcttcc 960
ttgctcctcg atggctatgg ttcgccaatg tatcgtgcgt tgatcgaggg tgggttaggg 1020
tcttctttta ctcccaacac gggccttgat tcctctggta gagtgccaat cttttcagtc 1080
ggtcttactg gcgtgagcga agcggacgca ccaaaggtca agtcgactat caaaagggtt 1140
ttcgaggagt ctctttcctc cgggttcaat gatgagaaag tccaaggctt ccttcatcaa 1200
cttgaactcg cgttgagaca caagacggct aattttggta ttggtgtcat ggagaaaacc 1260
ctttcatcat ggttcaatgg ttcgaaccct atgaaggagt tgtcttggaa tgaagtcatc 1320
gatgagttca agaaaaaata tgaacaagga ggctaccttg agtcattaat gcaaaaatat 1380
cttatgaacg ataactgcct gacatttacg atggtgggaa ctccctcgta taacaaagat 1440

ctcgatgatc aggaaatggt gcgcaaggaa aagaaactaa gtgagctcgt tgaacgccat 1500
ggctcagttg agcaggctgt ctctgcgctt gctgaagaag agcttcagtt gctcaagatt 1560
caagaagagg cgcaaaacgc cgatttgagc tgcttaccct ctctacgcgt tgaggatatc 1620
tccagggaga aggaacgcaa acccgtgcgg gagtccaaga tggatgatat agacgtcgtc 1680
tggcgcgaag ccccaacaaa tgggctcaca tatttccaag cattgaattc tttcgaggag 1740
ctcccggatg acctgcgatt gctattgccg ctgttcaacg attgtatcat gcgactaggc 1800
actggagaca aaaccatgga acagtgggaa gatctgataa agttgaagac cggcggaatc 1860
acaacatcca ctctccacac atcttctcct gcggagttgg gtaaattcag ggagggcctg 1920
cagttctcag gatatgctct ggacaacaac attccggata tgctgcagat tcttactaca 1980
ctcgtcactg agacagattt caccagcccg catgcgcccg ccatgatcca ggaattaccg 2040
cgcatgacca ccaacggcgc gttggacgct gttgccgggt caggccatcg ttacggcgtg 2100
aatgcggcag cggctgtttg ttctcggagt ttttgggttc aggaacagca gtcaggcctg 2160
gcgcaattgc aagatacggc gaacatcatc cgcgacgcgg agagttctcc agaagttctt 2220
gctgagctga tcgataagct ccggctgatc cagtcatttg ctatttccaa aggctcaggc 2280
ctccgtgttc gcatggtttg tgagcccagc agtgcatcgc agaacgagat tgtgctccag 2340
aaatggctgg caggactacc tcgtaatagg tctcccactt cgccacttga tcataccagc 2400
gtgaattcag tagctaatcg ggtgttatat gacctgcctt acaaggttta ctactctgga 2460
cttgatatgc agacggtccc tttcattgat ccctctagtg cacctctcag cgtcctttct 2520
caacttctga cacacaaata cctgcaccct gaaatccgag agaagggagg tgcgtatggc 2580
gcgggggcca gcaacggccc tatcaaggga ttcttcgcct ttaccagcta ccgggatccc 2640
aatccagtga acagtctcaa agtcttccag aacagtggga tctttgctcg ggatcgtgcc 2700
tggtcagacc gcgaacttgc tgaggccaag ctgggcatct tccagggact tgatgctcct 2760
atgagtgtcg atgaggaggg tgccaggtat ttcatgagtg gtgttaccca tgaaatggac 2820
caacgttggc gagagcaagt gctcgatgtg actgcaaagg atgtcaacga ggtcgctcag 2880
aagttcttgg ttgaaggctc tcggcaatcc atctgtctgc tcggcgagaa gaaggattgg 2940
gctgattccg acgactggga agttcggaag ctctctatga atgcctcagg cgagccggta 3000
atcgatcccc tgagccaaga tggcgccgtg gcgtcggctt aa 3042

<210> 19135
<211> 267
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (24),(45),(198)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19135
tataccacct tcactccctc tgtntctttt tcttcttcct tttcncgtct ccatcgttcc 60
agcgcgtctc aagaacaaat ctcgaccccg tcttcgatct tgatcgccat ggtcggtaaa 120
tggctggtcc tcctggcctc tcaagcctgg agtaagcgca agatcaataa gaatgtgaac 180
ccacgaggta cactcctngt ctccgtttct cagaccctct ctgaactgtc agcctacgca 240
gggcggacta aaaacgcgag aacataa 267

<210> 19136
<211> 363
<212> DNA
<213> A.fumigatus

<400> 19136
gctgcagcgg tccaatcaat ccctgaacgg tcacagagtg tgcagggcgc gctcgtgtat 60
catccttcgt ctcccgatca ggattcttcg tctatcctcg ggcgtctgga gcggatcgag 120
tcactgctag gcattggtaa agagggaaac aggtcttcat tgctgaccat cgaccccgac 180
ctggaggaag agtctgacga tgtgtcttcc cgtggacttt ggaaagctgt tgagcgtctt 240
aagatcatca ccagtccgcc tcaggatcag aatatctggt catatgcggt cgtcacacgt 300

ttatggatct cgtatgtagc ccatactttt gtttcccttg tcccttctcg gtgtgcgaac 360
tga 363

<210> 19137
<211> 315
<212> DNA
<213> A.fumigatus

<400> 19137
ggagttgaca ctaaccggca catacggaca gagcgtgagg tcaagaaggc taccagagat 60
ttgaaccaat tgctcagcaa catcgagtcc cccatgacca gactggagac tgtgcacaag 120
aagtacaccg aactgttggc ggacatgaag aagctggatc gcgactatgc caaaagcaaa 180
aagcgggccg atcaactcca gaaggaccag gacaagggca agtcggaact gaacaagact 240
gtcaccatga aagataagct ggagaaactc tgccgagagc ttaccaaaga gaacaagaag 300
gtcaaggtgg gttga 315

<210> 19138
<211> 312
<212> DNA
<213> A.fumigatus

<400> 19138
cctttgcatt acagtctgcg cgccaaaatt aagaccatcg gcgaaaagtt cgaaatgcga 60
gagttgcatt ataaagcgct cttgcgcagc aaagatgccg agatccagtg cctgactgcc 120
aagtacgaag aacagcgccg cgctgccgaa aatgaagcgg cccgttgtcg tgcgctcagt 180
tcgcaggtgt ctacttttc gcataccgaa gccgagttgc gtagccaact aaatatctac 240
gttgaaaagt tcaagcaggt atgcttcggc gtcctttacc aggcccatca tttctgttac 300
aatagcaggt aa 312

<210> 19139
<211> 189
<212> DNA
<213> A.fumigatus

<400> 19139
ctaagcaggt tgatctgcct tcgcatattc ctccggtacg tctgcctcta tcctggtatt 60
catggccaac cagctactaa cgacgatgaa caggggaagt acaacgtcca tgccgacgtt 120
tatactaagg acggcaagaa gattacctgc cttgatgcgc acgatatcga gttcaagatt 180
cggccatga 189

<210> 19140
<211> 1119
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (357)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19140
tggagtgccg tggatgagct ggtttgtatg tcgccgacaa ttcaaggagc ttgccggggg 60
gggttcacag aggatgagtc gctaatcggt ggctgctggc aggcttcctt cattgttcac 120
ctacttgcgt gcttcagcgc gtccaatact ttctacacct tctctcggaa gcgactttat 180
cgtctgtttg aggcttcgat agatcaacca ccggctacac cgtcggctcg ccgtgtccgt 240
gtcgattcaa accctatggc agcttcgccg ttgcggtact ttgcaaatgt gatagccgga 300

tctgctgagt cccgggcgca tcccgacgcg caacgggatg tgtgggaact tgcagtntgg 360
gatcctctgc cgatttgcct tcgactgttc tgcctcttca gccccgggca cgtcctggtg 420
tactgggtat ttctgcctac gcaactgtcc gatcctcggc caagcgttac tatcgtcacc 480
actatcttca ttacgactct gctgtctgtg cagatgtcat tcctctcttc ctcgttcacg 540
cagcaagcca aggattccat ggtggttcac aaggaggttc ttaacgagta cgacaccaaa 600
tttgtccatc ctaggaccca acccgtgatg agagatgttg gcacccagtt ctccgacccg 660
aatacctcgc agcctggttc cgatgccaag tataacaagg tggacacatt cactcctact 720
ctagtgatcc accgagggtt caaaaccagc cccaatccga actatgtcac ttttgtcgat 780
cccgaggggg cgtcccccc gacgtcagat attcactacg ccaaatgctt ctcacaacta 840
tacgtcgctg caaacaccct gtcatttacg agatgcctcc ccggttgtac gaggccccgt 900
tgcgtccata cgccaaccgc acttccgacc cacaccgagt gctacgggcg atggtggcag 960
tttgggaatc ttctcgcacg caaattcccc cttgaggcga tctacaccgg ccaatatcga 1020
ccgccgggtt ccgaaccctc cagagttctt attcaaagac cgaggtaccc ctatgaagag 1080
gctatcaagt cccttgaaaa agagcaatgt gcccggtag 1119

<210> 19141
<211> 1674
<212> DNA
<213> A.fumigatus

<400> 19141
agccgaccgc accaaagtca tcaacaacaa gataattgtc tcttgcccaa ggaatgggta 60
actgtggaag gtctacctgg ccttgaagtc cagccggtca acaatcgtca ccttcgatac 120
agtatggatg aggttctgca cttgcaccag gggcacttca tgaacctttc gccccgaagg 180
cgccatgata agcggaagga gttggacgtg gaagaagtag aaaatacgca tcaagagaga 240
aatacaccag accgcagtgg aagcccaatg aattcgagag acactgattc tggaactgga 300
agtccaacta tcgcgcgaag aaccagaccg acgaagctcc ctctgcccag ggagctcgca 360
agcaaagtca aggaacaaca aaaagatcaa cctgcaacgc ctcaagatca ggactatggt 420
tctctcagga acgtccgacc aaagaagccg cctacaacct tattatacag cagtccggac 480
gaggttcgag agcaatattg gcgaaaggtc agggataagt ttgagaagga atccccatcg 540
gcgaagagcc aagagaagga gaaggacaag gataagcaca aggagattta ctatggagct 600
tataaaaaga tcatctcgct ggccagctct ccaaagagcg aactggtcaa acagagactg 660
aagtcggccg gtggcgacct acgaggaagc ccaaagtcgc ggatcacgag ccccatcatc 720
catcctcggc ttcggccagg ctacagctcc cccagcaaat ctgacaacca gttaatcagt 780
caagggaagc gacagctcag tggagttcaa cgaaagaatt ctgatacgga cgagagcatt 840
ctgcactttt ccacggacaa gacggataac gctaccgact cgtcgattaa ctctcactct 900
tctctgtcac ccgtgtcggg ccccagtagc tcattgacgg actgggagga caaattcgtt 960
gtcaacatgc catccgccaa agagccaaac ccaccgacaa tgagtgcaca gcagattgcg 1020
gaattccagc aaagcatcga gcgggtgcac aacgacgggg gtgctatgct tgatccagac 1080
tctttgccga gtccacgtac cgggacgcct gaagacaagg atttgtctgc tgtgcagcct 1140
gcgaagccga cctcgtttga cggtcaagat ctgcctcccc cacctcccca ttcggccggg 1200
tttgaggaaa gtccgccatc ccagccagaa catccgaggt actactgtcc cgatgagatc 1260
ggcaaaaatc gcatcagtac aatatgggaa gaatctgcct cgaaatccga gaagaatgta 1320
ccaaaggtca atccggatgg ctctttttta gggtgcaagg agatcaatgg gcccaacgac 1380
aagaaccccg acgagatcct actgttttcg cccgtggatc gtccccgggt agtcgacgtg 1440
tcgagtccta tgcccagaag ccccaaagaa agaaagattc cagtggtccg ccagaggaat 1500
ccggacctcg gagagaagac cgtcgctcga gaagaatgga aaccaggtac tctgaatatg 1560
aaacttgtcc aatgctcgaa gccatcaccg aggaccgtgt gccgcgagac cagctgccag 1620
caaccagaaa agacagccca gaagtcgagc aaagcggacc gggactcccc gtaa 1674

<210> 19142
<211> 294
<212> DNA
<213> A.fumigatus

<400> 19142

gtgaagaacg gttggctgat tcttgaccac agtggccaaa ctctctctat caatgccagt 60
ggcaacctga aggaacgggt ggaggaaggc gcttatgtcg ctcttgaggt taaatatggt 120
ctcattaccc tgatcaagca gaccgccgat ctctgcgaac aaatcaagaa tgtggacctc 180
gagtgtcccc tggagaaagg cgagatgact ctgactaagc aggttgatct gccttcgcat 240
attcctccgg tacgtctgcc tctatcctgg tattcatggc caaccagcta ctaa 294

<210> 19143
<211> 339
<212> DNA
<213> A.fumigatus

<400> 19143
cacgtcacag atggcccgga cgcccagcgg aatttccttg tcgttgactc caagaccgaa 60
acgtctgcga tcgagaaggc cttccagaac ttcacccagg agaggaaaga tattgccgtg 120
ctgctgatca accaacacgt acgttgtatt gcattctaca tcaccaggga ccagctggct 180
cataggatca gattgccgaa cgcatcagac acagcgtcga ctccttcgcc gacccgttcc 240
ccgccgtcct cgagattccg agtaaagacc atccctacga ccccgaaaag gacagtgtgc 300
tcaagcgcgt gcggcggcta tttggtgaat agacggtaa 339

<210> 19144
<211> 2289
<212> DNA
<213> A.fumigatus

<400> 19144
gtattccaga gagtccattc tgcaaccaac ctcctaatct tgtcctcaga tgcaagagtg 60
ccagcagagg caacaccgcg tgcggtagcc cgaagcattc tgtatcagct tttcgataag 120
cgcatcggaa acgtgcagtt gctgcagatc ctgagtgtcg cccatgaacg cagcaagaag 180
gccactagtg agcaggatta tgacagtctg ctgtggaatg ctttggaggc agccctcagc 240
gtggctttgc ctggtgccaa agagcttgtt attgtcgttg atggcgttga cgaggcatcc 300
tgcagtgaaa cagccatgct caaccagctg gccacagcca ctgctaaggg gagtaacgtg 360
aaactgatca ctctcggtgc actcaagcct cccactgcag caggtcaagc ctttgtccag 420
atcaccgagg aactcatctt cgatgatatc gccgctgttg tacgaagtca gttacagcag 480
agtcgtgtct tcttgggcat gtctgagctg gaccaggaga ccatcgttgg ccgcattacg 540
gaagcgtccc agggctcatt cctctggggg aagctcgccg caaaacgggt tcgctacgag 600
gggactgagg aaagcctcca caaggccgtg gatgccttgt tgagtgccaa gcttactctt 660
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<210> 19145
<211> 2835
<212> DNA
<213> A.fumigatus

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<210> 19146
<211> 327
<212> DNA
<213> A.fumigatus

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gctggcaagc ctggtgccgg acgaacggtt ttggcctctg tgattgttga tcagctgcag 240
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gagtccattc tgcaaccaac ctcctaa 327

<210> 19147
<211> 249
<212> DNA
<213> A.fumigatus

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<210> 19148
<211> 342
<212> DNA
<213> A.fumigatus

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<210> 19149
<211> 2727
<212> DNA
<213> A.fumigatus

<400> 19149
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gtgagtgagt tccatgagtg gctttga 2727

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<211> 456
<212> DNA
<213> A.fumigatus

<400> 19150
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agaagcctgt gcaagctacc aacaatgaga caacgtcaag acaggaaaag gcggcttcat 180
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caccaaccaa gtcttcttca acaaaacagc cagcagctcc ggtggaagaa gagatccatg 360
aaaaggacga cacgcctctt gactccctgg atgacatcgg cacgccttca gataactcca 420

ctccggaaag acctcccatc cgcaagagca gcctga 456

<210> 19151
<211> 927
<212> DNA
<213> A.fumigatus

<400> 19151
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ccaaagagag ggctggatga ggaagccagc taccgtccgg tagctatgaa atccagtact 180
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gcggacaaga agatcaagaa attccgtgag cgtaccagca gcgccaactg gtctggtgct 840
gatggactga cccaagagga gattcggcgt gacctcgccg aacgtcaacg gctgaggctc 900
aacggcggct ggacctttac ctcataa 927

<210> 19152
<211> 1536
<212> DNA
<213> A.fumigatus

<400> 19152
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ccgggcacgg tctactcgcc agccagttcc ctaccgagta acggcacacg atcaagttta 180
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gccttcgttg tattgtcaat cttagttgct ggctaa 1536

<210> 19153
<211> 354
<212> DNA
<213> A.fumigatus

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gaccatctta agaagatcaa ggccgtggac aaggtccgca aagagcagcg ccgccaaacg 180
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<210> 19154
<211> 186
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (55)
<223> Identity of nucleotide sequences at the above locations are unknown.

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cttttgggaa gttcagatat cccggcgttg gtggatactt cagtttatct tgtgcttttg 180
aattaa 186

<210> 19155
<211> 1377
<212> DNA
<213> A.fumigatus

<400> 19155
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<210> 19156
<211> 627
<212> DNA
<213> A.fumigatus

<400> 19156
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ctgcgtcatt ccaccaacgc cgaggatcct attccgctgc tcacctccac atttttgact 180
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ctctctggtg gcgtcggcct gcagctcttg taccgcgttc tcttggtact ctggcagctg 540
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caaagcatgg gagaagtccg cggctaa 627

<210> 19157
<211> 624
<212> DNA
<213> A.fumigatus

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acgactttac ttccagttgc tgtatttgtc cgccttcctg ctctgctatc caacctctcg 180
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<210> 19158
<211> 351
<212> DNA
<213> A.fumigatus

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<210> 19159
<211> 465

<212> DNA
<213> A.fumigatus

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gacctcgctg ctcaacggct gcgaacagaa ggctccaagg gagaagccaa agccatgact 360
tgggaggacg ccaaagctgt gctaacagac tggcgtctct acgcacatta tgcggtccgt 420
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<210> 19160
<211> 219
<212> DNA
<213> A.fumigatus

<400> 19160
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gtagcctatg tcgtgacaac agccgcagcc tggtccgccg atcatttcaa caggtacaca 180
agtcctcacc tcagcaccat gccacacaac acacactaa 219

<210> 19161
<211> 183
<212> DNA
<213> A.fumigatus

<400> 19161
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cgcattcagg agaaagcact ggtctggaaa caagacttac gcattgttcc tctatgtgca 120
gcgatctatc ttctctgcta tctagatcga tctaacatcg gtaagcatga aaccaactct 180
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<210> 19162
<211> 321
<212> DNA
<213> A.fumigatus

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ggtcggaagg ttgaatggat agagaaactt gagagtatgc cccacatgaa ctacattttt 180
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<210> 19163
<211> 894
<212> DNA
<213> A.fumigatus

<400> 19163
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ctgggagtca cgcccgactc gaagccagag cctgtataca gtccggtcag catctggtgg 180
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tatgaagcca aggactccga tctgggctgg cgagctaggc taacatggct aggtggccga 780
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<210> 19164
<211> 615
<212> DNA
<213> A.fumigatus

<400> 19164
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<210> 19165
<211> 1584
<212> DNA
<213> A.fumigatus

<400> 19165
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<210> 19166
<211> 186
<212> DNA
<213> A.fumigatus

<400> 19166
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gccgtgttct cgagcatcgt ggctagctgt atgcctgtca caaccctgca ggaggtcact 120
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atctag 186

<210> 19167
<211> 384
<212> DNA
<213> A.fumigatus

<400> 19167
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<210> 19168
<211> 2952
<212> DNA
<213> A.fumigatus

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<210> 19169
<211> 2232
<212> DNA
<213> A.fumigatus

<400> 19169
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<210> 19170
<211> 1284
<212> DNA
<213> A.fumigatus

<400> 19170
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cttcattcgc aatcttcaat cccgtctctg gcaaacaagc cccagcgttt cgctgtcgag 1080
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<210> 19171
<211> 987

<212> DNA
<213> A.fumigatus

<400> 19171
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tctcctgcgt gttcaaccgg tggtgcgcat cgccatgcat cgccggtgga gatttcccgc 180
gcgattttct gcgaggagga ccggaatcct cgagcccaga tgctcccttt catcaatgtc 240
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gtcaccgttc cgcatgcctt cagtttccag tacgcggtcc ccccccccca agtgtcccca 360
aatctgatcc aagctcaacc ctcactgacc catatgtgca gcttctttta ccacacaacc 420
gtaatgcaaa tcttcggcct cctgaaagcc aaccacgaac acttcgatcc cgccagcatc 480
cagcgcgccc gcaacatttg catcgagagc gcccttcgca tcgccgggct catcggcatc 540
caccgcgaca aatggggcat cggccgcatg gccccctcca ccatccagtg gctcagcatc 600
ggcatgttta ccctcctcga tgcgctggac tcgcccgaca ctcgcaaccg cgccgccttc 660
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gccctgttta ccgactttga gacgcgcagc tgggagggca aggatcggca tacgtttagc 840
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tcgatggatc ggtttttgga gaagtgggat agtttggcga tctcggaccc taaggaggag 960
acgcctccag acgagggtgg ttcatga 987

<210> 19172
<211> 606
<212> DNA
<213> A.fumigatus

<400> 19172
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atcaataaca ctgataacat cagatcaatc aaaatgtcca acccctcca atcccacccg 120
cctcacatcc tcgccgtcct ggaccgcctc cacgccgaat ccgccgccca ggaatcctcc 180
atcccgagaa cagtctacac cacctcgtcc accgactcct tccacacctt catgcgcaat 240
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aacgcaacct ccatcgtcga agcgggcacc tcctacggcg tgagcaccat ctacctcgcg 360
cttgcggtgg cggataacct tgtctccgcc tctgcctcgg gccccagcaa agggacggtg 420
atcgcgacgg aatacgagcc cgccaaggcc gcgcaggcgc gcaagcattg ggccgagtgc 480
ggggaggccg tcagtagcgt gattgatctc cgcgaggggg atctgcggga gactctgaag 540
acaaacctcc cggatcggat tgacatgctt ctgctcgaca gtaagtcttt ttccttttt 600
acctag 606

<210> 19173
<211> 198
<212> DNA
<213> A.fumigatus

<400> 19173
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gccacaaaca ccgtcgccgc catgacggtc ttcttggtcg cgcccgcgac attactcgcc 120
cccagcgtga tgatcagact gaccaccggc ccgaagaacc ccgtcagcgc gtacccgacc 180
accggcgcgg cgggctga 198

<210> 19174
<211> 285
<212> DNA
<213> A.fumigatus

<400> 19174
aagccaacca cgaacacttc gatcccgcca gcatccagcg cgcccgcaac atttgcatcg 60
agagcgccct tcgcatcgcc gggctcatcg gcatccaccg cgacaaatgg ggcatcggcc 120
gcatggcccc ctccaccatc cagtggctca gcatcggcat gtttaccctc ctcgatgcgc 180
tggactcgcc cgacactcgc aaccgcgccg ccttcatcga gatgtgcatc gtggcgcggg 240
cgtttgcgcg ccgcttcccg ctggccaagg gcatcctgcg catga 285

<210> 19175
<211> 312
<212> DNA
<213> A.fumigatus

<400> 19175
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ttacctaggc ggccagtggc ggtggcggtg gctgacaatg tagtctggac gccgatggcg 120
ctgcccacgc tgaagctggt ccagcccaag ctgcggtatg gcgccgttgt ggtgtcggat 180
aacacgctga gtgcggcgga gggatacaaa gacctgctgg agtatctgcg tgcccctggg 240
agtgggttca gtacgttgac gctgccgtat aaggggggggc tggagatgag tgtgtatctt 300
cctcagcaat ag 312

<210> 19176
<211> 726
<212> DNA
<213> A.fumigatus

<400> 19176
aagtcggtcg cttttccatc tcgtagactc ttgattccta gttggagaca cacaagctta 60
ccctaccagt gtcggggaga tcctccatgt cagcattgcg tcagccatgg cgtcaaatgc 120
gaggttgacg caatgtctga tatgcgccgg aaaaacgcca tggaccgcaa ggtggcgaag 180
ctggagaagg tagccgacac gttgacgcgg ttgatcaacg ctctgcgcga cagagagagc 240
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ctgttcctgg agcagcagtt ttcccactac gagttggaat cgacgcctga attacgcgat 360
atccaaagcc agctctcgca gacaacggac cttgcgcccc tgggatggcg gtacctccga 420
gtcgatcggc tggccgacga cccggtatac aaggtccccg cgaagccttg gacggcggtg 480
acggacgaca gcgagctggt gtcgcatctg gtctcgcttt ggttgacctg gacgtatccc 540
tggtttaact ggctggatgc cgactgtttg atcaagcata tgcaggaagg aaagctgaat 600
tcccggttct gctccccttt cctggtcaat gccattctcg cggaagcatg cgtatgtgtc 660
ctcgcacgga tgatgtcggt ttttcttttt tattttcttt gcttttcatt actgattcgt 720
gtatag 726

<210> 19177
<211> 225
<212> DNA
<213> A.fumigatus

<400> 19177
tattactccg actacgaaga agtatttaca gtgcccggcg acctgctcac tcgaggcgac 60
caattcttcg acgaggcgcg tcgtctgttc gaggctggag aagacgaagg cgactctccc 120
agcctgccca cgatccaggg gctcatgatc ctcttcgttc ggtcagtcgc atcgtcggat 180
gcgaaacaat ggctctcgct gacatggcta tcagaacatc gatga 225

<210> 19178
<211> 504
<212> DNA
<213> A.fumigatus

<400> 19178
gaacgtcacc gttccgcatg ccttcagttt ccagtacgcg gtccccccc cccaagtgtc 60
cccaaatctg atccaagctc aaccctcact gacccatatg tgcagcttct tttaccacac 120
aaccgtaatg caaatcttcg gcctcctgaa agccaaccac gaacacttcg atcccgccag 180
catccagcgc gcccgcaaca tttgcatcga gagcgccctt cgcatcgccg ggctcatcgg 240
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catcggcatg tttaccctcc tcgatgcgct ggactcgccc gacactcgca accgcgccgc 360
cttcatcgag atgtgcatcg tggcgcgggc gtttgcgcgc cgcttcccgc tggccaaggg 420
catcctgcgc atgatccaac tctcggcgaa ccagatgcag gtcgtcttgc ctgccgagac 480
ggatgccctg tttaccgact ttga 504

<210> 19179
<211> 243
<212> DNA
<213> A.fumigatus

<400> 19179
actacggctt cgcgacagat cacgtccggc tcgctgaagc gctggcagta catctacatc 60
tttgccgggg tgctgacctt cctgtttggg atctggtgcg gcgtgatgcc caactcgcct 120
gtctcggcct ggttcctcac accggaagag cgcgtcgttg ccgtcgagcg ccttcgcatg 180
ggccacacgg gcgtgcgctg ccaccaacat caagctgtcg cagatcaaag acgctgcgct 240
tga 243

<210> 19180
<211> 330
<212> DNA
<213> A.fumigatus

<400> 19180
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ccgtcaccgc cgtccaaggc ttcgcgggga ccttgtatac cgggtcgtcg gccagccgat 120
cgactcggag gtaccgccat cccaggggcg caaggtccgt tgtctgcgag agctggcttt 180
ggatatcgcg taattcaggc gtcgattcca actcgtagtg ggaaaactgc tgctccagga 240
acagccgcag ttcgtcgaac gaggcgttac ttcggatcag attcaacagc tgcgaaacgc 300
gtctgctctc tctgtcgcgc agagcgttga 330

<210> 19181
<211> 1062
<212> DNA
<213> A.fumigatus

<400> 19181
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gctgaacccg taccggtcca aggagctgca ggacgcgttt tggtatgttt cccggctggt 120
tttgtgacga gaggctcact gggtagggac tttgaggaga atctcgcgct gctgctgatg 180
gatgtcgtgc agagggtcac cgcgcgcacg gcatggaagg cacggcggcg gctcgtcgcg 240
gcgtttctcg actactaccg tgcgggcggg catctcgact cgtcgcagtt gacgtatgcg 300
cggtgggaga cgcagcagaa aggtggtgcc acgctggagg atattgcccg cctggagacg 360
gctgcggccc tggggacctt gtcgaacacc gttccggcta tgttctggtt catgtttaac 420
attttctctc gcccggagtt actaaacgaa gtgcgcgacg aagtggctcg gcgcgcagtt 480
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<210> 19182
<211> 513
<212> DNA
<213> A.fumigatus

<400> 19182
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gagctcttcg acaaagatgc cgcactggcg gtcgtcagcg atgtagcaat ggagattgac 120
ccagaggtcg agaagcgcgt cctgcgcaag atcgacctct tcttcatgcc ggccatgcta 180
gtcgggtacg gactggtcta ctgggacaag gcgattctcg gcagcgcgac gctgttcggc 240
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acgtcccggc tcagctgggc gacgtccatt ttctatttcg gtatgctggc cggcctctac 360
ccgatgacct ttttcctgca gcgcttcaaa atccagcatg tgtttgggcc gattgtcatg 420
ctgtgggctg tcacctgtgc cgctaccgcg ggggtcacaa cctggcaggg actgtttgct 480
cagcgatttt tcctcggtac gttcatcctg tag 513

<210> 19183
<211> 675
<212> DNA
<213> A.fumigatus

<400> 19183
gtcctatcca ccgacccctg gaactgcaaa cctgataatc ccaagctacc caaattaatt 60
ggcgcaatct ccgggttcgg cccccttatt gtctccacct tccgctacca caccctcgac 120
tcgattctat ttcagttccc cgtcggcggg atctgcgtca tcttcatccc gttgtgcggg 180
tacgtcgcgt cgcgcgtgcc ccacacccgc atccccatgc tcatcgcctg ctgtctgccc 240
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ggcgtgctgt acgggattct acggcgggag aatcggcggc gggaggcgat ggagctggac 600
gagagccagc gggataagat ggcgtttaac gatttgacgg acaaggagaa tccgttcttt 660
cgatatgttc tatag 675

<210> 19184
<211> 456
<212> DNA
<213> A.fumigatus

<400> 19184
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agcgtggtcc ccaccggctt catgaccatc gtcagcgggt actacacgca aaaagagcag 120
tccctgcgcc aggcatggtg gttctccggc acaggatggt tcaccatcat cggcggcgca 180
atgaactacg gcttcgcgac agatcacgtc cggctcgctg aagcgctggc agtacatcta 240
catctttgcc ggggtgctga ccttcctgtt tgggatctgg tgcggcgtga tgcccaactc 300
gcctgtctcg gcctggttcc tcacaccgga agagcgcgtc gttgccgtcg agcgccttcg 360
catgggccac acgggcgtgc gctgccacca acatcaagct gtcgcagatc aaagacgctg 420
cgcttgatat caacctgtac ctcatcgcca tcatga 456

<210> 19185

<211> 879
<212> DNA
<213> A.fumigatus

<400> 19185
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ggagacgttt tggtaggacc cgaacgggca ccacgccggc ggccaccagc caattcaaac 120
gcggcgatca ggtctttgga atggccacat gccgatcggg gctccgcgtg gcccgaatac 180
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gcttgtctgc cgctcagcgg gctgacggcg ttccaggctc tgtttgagca tgcgggactc 300
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gctgaagcgc tgaggaagct ggcgaccttg gcggattcgg gccggctgaa gctgtttgtg 780
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<210> 19186
<211> 1209
<212> DNA
<213> A.fumigatus

<400> 19186
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gcagaaacgg caatagcata cagcgtaaat gtccctgcat caactgccgg gtccggctcc 180
tccggctccg ggcccatttt cattcagatg cggtctacca aagaagtgca atggttcgca 240
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cggtgcgata gctgtatcac ctggccaggg ggccacgagg atgtgacaag cacctcgagc 480
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agctccgaga atccatttgt cggtggatcg atgtcgtcga gttccagctc cgcgtcggcc 660
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cgagcgtag 1209

<210> 19187
<211> 405
<212> DNA
<213> A.fumigatus

<400> 19187
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ctcgtcaatt gccccggcaa gaccatcgtt ggattacggg tggaattccc ccccaacgca 120
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ctgatggtga gcatggtcct ggactcggat gtgtatgacc gtgatggagt ggatgcgttg 360
atccagatcg atgaggagta tcgggagatt gaaccgagaa agtag 405

<210> 19188
<211> 237
<212> DNA
<213> A.fumigatus

<400> 19188
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ctcctcctca ctatcgctag cgccgcagct gtcccagacg ttgatggcac cattaccaag 120
gacgcgggta ataacaaacg cgctcgcttc tgcggccaga tctgcctcaa caacactggg 180
tgcggtggta aatgtcctaa gtgtgatatg aaatctctca cctgcaagaa ggcttag 237

<210> 19189
<211> 957
<212> DNA
<213> A.fumigatus

<400> 19189
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gatgagcatt tcaacaaaac agaaaagaca aaggcacgca tcgatacact gtttatggaa 180
aatcaagaga tggagcaacg tcttgaagag atgcgccgga gtttgaaagc caatgaagca 240
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ctgctgcagc ggcagctcgc gcggtggaac gaaaggattg aagccctccg aaagaatgcc 780
caagaaaaag cagaggtcgc tcaagcccgg atggatgagc ttcgcgatgt ccagaagaag 840
cttcgtgaag agcgagcgga gaagcagcgt gatatggaga gacgacgaat taggattgag 900
cagaccgaga aaaaggtaag actccgtgcc cggcagcatg tggttctctt atgctaa 957

<210> 19190
<211> 282
<212> DNA
<213> A.fumigatus

<400> 19190
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atgaatacga ccaaggagac agtagagcca gcaatgcgcg ccgcagcaga agatatatgc 180
ggtgactatc ccgacattgt cccattagag actcgcaatc tcatgggttt cttcatcagc 240
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<210> 19191
<211> 798
<212> DNA

<213> A.fumigatus

<400> 19191
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acgatatcag agactctcga tctgctggag aaatccaccg cacacttgaa gaagtcgatc 180
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ttcggtagag ggtttattcg ggacggatgt acagttctta caaacggtgg atcgagagtc 420
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gtggtcgaga atggaggaat tgtctcgcgg atgggaacat atcagattgg gtcttcttgc 720
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ccctcttgga cagtatga 798

<210> 19192
<211> 402
<212> DNA
<213> A.fumigatus

<400> 19192
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gtccgatctt accctcttgg acagtatgac cttcctatcg agcaacatgt tatcaacttc 180
aagacggagg aagatatcgc agatgaagcc aagcaacaat cggccgaatc acagaaaaca 240
acagaagttg actctctgga ggcgaatccg ggctcgaaag gcgggggccg ttctgatgtg 300
gtcgacttca caccgccgca tctgatttcc gccttgatca cggatagcgg cgtgttaaca 360
ccgagcgcgg ttagcgaaga actgattaag atatggtttt ga 402

<210> 19193
<211> 186
<212> DNA
<213> A.fumigatus

<400> 19193
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gtcagggaca tcctctggac caaatcttcc acagaagcgg tcatgaagga cctatccatt 120
cccttgttcg ccattttgcg atatctgccc ggctttggaa ctttggaacg ggatggcgag 180
tggtag 186

<210> 19194
<211> 561
<212> DNA
<213> A.fumigatus

<400> 19194
tacatacacc agctaataga tgtacatagg gctgtgagtc gattgtccac tattgctttg 60
cgtcacccgc ttactcagat gctgctagat gatgctggcc tcctcaacgg gttacaggct 120
gtgacctcgt ggaacgagtt ctttgaccac ccgaaaggca caatcttggg actctacgct 180
gcctctttgt acctcccatc gattgtgacg gcttacctgg gtgatttcct atctcagcgc 240
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aacgcctttg ctagtagtgc tgggatgtgg gttgctggta atttatctgt ccccctttgg 360
tgcctttggt attatgttct gaaactcgaa tcctgctcag gtcgcgccat catcggcgga 420

ggtggcggtc tcgccaaggt ggccgcccca gcgctcattc aggagatcgc ccaccctcgg 480
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gcgttgcttt gttgtgagtg a 561

<210> 19195
<211> 600
<212> DNA
<213> A.fumigatus

<400> 19195
ttacgttctc ggttacgaag ggcaaggtct ggaaatgagt cgttcccccg tctatcgtac 60
cagtcactca cgttcaatca ggtctacaaa ttccgtctct tgcacgactc cagaaaaccg 120
ccgctggctc cgggtcagga cagccagcca ttacagctca tcggcatgaa actgggctct 180
ttccccgctg tcaatgagga ccaaacgatc gatgaggccg tagagctcgc caaagagtct 240
gacatcgcct tgttgatggt tgggttagac caggattggg agtcggagag ctatgaccga 300
cccgacttgt ctctcccgct ccgtatgaac gacctcatcc gtcgcgtcgc gactgaagca 360
ccagacacca agaaggtcgt catcttgcag gcaggctccg ccgtatccat gccatggctg 420
gaacatgtcg acgccgtctt gtggccctgg tacggcggga acgaggctgg aaatgccatt 480
gcggatgtcg tatacggaac ggtcaatcct tccggtcgat tgcccatcac cttaccgaaa 540
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<210> 19196
<211> 363
<212> DNA
<213> A.fumigatus

<400> 19196
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ccgtccgcat catcttctcc tgactcatgg cgcatctcgg tttccgccag agtcaccaat 180
actggcacgg tacctggtgc tcattccgtc cacttctaca cgagcccgcc cccaccaaca 240
atgacttccc tcacgcatcc ggctgtcact ctgcaagcgt tcgcaaagac cgctgtactt 300
cggcccggtc agtccgagag agtcaccgtg gagatggaca aatgtaagta tactgggccc 360
tga 363

<210> 19197
<211> 1389
<212> DNA
<213> A.fumigatus

<400> 19197
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ttggccccga ccatcaatat ctgccgcagt cctcttggag gcaggacctt cgagtcattc 180
ggggaagatc cgaccctcag cggtatcatg gctgccaagt atgtgagtgc cctccaggat 240
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ggtcaagact ccatcattgc gcccagagcg cttcgggaga tttatcttcg accatttcac 360
attgctcagg cgttagccaa gccctggtca tacatgacgt cgtacaacaa gctcaacggc 420
acccattgct ccgagcatga gtggttgttg agcggccttc tccgaaccga atgggggttt 480
gacggactcg tcatgtccga ctggatgggg acatattctg tcgccgaggc gatcaacgcc 540
gggcttgatt tggagatgcc ggggaagccc cgatggcgtc aactgtcgct cgtgcggcag 600
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aaatgggtcc aaaaacttgt cgtgctcaac cctgacactg tttacgggcg cgatgactcg 720
atagaatgga cgcgaacgga agaccaggcg gcagacgcgg cgctgatacg gcgcatcggc 780
aacgaggcaa tcgtaatgct gaagaacgaa tcgtcagtgc ttcctgtccg acggggcaaa 840
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cttcgaccag cctggtgtgt cacaccatgg cagggattag ttgacaacaa gccggaccaa 960
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gtttatatcg acgacagact gttggccgat ctatcgaagg agcagaagcg gacctcatca 1320
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tggaaatga 1389

<210> 19198
<211> 3696
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (212)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19198
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cctactagta tgaggggtta tgccctaatc tttcaggctt acctagcctt tctcctcaat 180
tctttcaggc atctaactgg gggtggccct ancagttacc tagggctcta taccctaaat 240
gatccggaga ggtatgatct cgaagcctta gaagccttcc ttcttagggc ttctaagcct 300
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gatgaggaag atgaggccct gccacaggcc ccccagctgc ccaatgaatc cctagatgaa 480
cagctagtcc agaaaggggt tagtctaatc atgaatctca ccctccaatt ggctaggcgc 540
caggtcattc accagagaga ggtcccacta tatgcctttt tagcctgctt tagccgaaat 600
tattcacatg actgtttcaa aaccctgtct ttgattggtc attcatattc agctattatc 660
aaatcacacc aattcattct gcttcattgg ctgcacaccg aaccattcac cataccagag 720
aggcagccag aatctatggc tgttttcatc cgaaattgga tgaccaatca cttcactggc 780
caatcagcat cacctctagg tcatgtgtta gttctgcgaa tgctagcact atacctgatt 840
cggactagtg cctcactagg cagaattcac cctgtggccc cacacacatt gaaatatggt 900
caggtgacta tctctcaggg ccacctgagg cacttcctag cccagagggt ccagcagcta 960
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cctcagcctc agcctactag gggtatggaa tttcctctag atcagccaat cattcaattc 2040
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cagcctggat ggtcatattg cctagtaagg gcataccagc tgcgggctag gcctaatcag 3360
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tggcatgaga gatactgcct gatctgcttt atctcaggta agctatctat cttatctatt 3660
aaatctattg atctattgat tctattaatc tattga 3696

<210> 19199
<211> 462
<212> DNA
<213> A.fumigatus

<400> 19199
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ctcattccgc agacagaaaa agaggatgac caattaataa aaatcatcgc acccctttt 120
tactccatga caaccttagc acccacggcc ttcagggtct cgatgatctt ctccgcctcc 180
tccttgggca cagactcctt catcatcttg ggtaccgact caacgaactt cttgctgtca 240
acgagggaaa ggccgagcag acccttgatc tccttgatga ccttagcctt ggaggcagca 300
tccactgtct caagcttcag gttgaaaaga gtcttctcct gcgcggcggg ggcagcctct 360
tcttcctcag cagcggcggg agcggcagca gcaccaccac ctggaccggc agcaacggcg 420
aagccaccaa cggggaggtc agggatattc aggcgggact ag 462

<210> 19200
<211> 1386
<212> DNA
<213> A.fumigatus

<400> 19200
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cctcgcttcc gagcgcattt tgttcatcta ctgaccgaaa ttgtgttgtc agacctcgaa 120
gttgatcgct tgaaggaact acgctctcag gaagaactct gcaaggctct tcgtacagtc 180
gtcgccagca agcagttcgg aacagaggat ctcttgtcat cgttagtcgc cgaagcggtt 240
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cctgagggta ctataaagaa ggcccgcaag gcaaaggttg gcgttttcag ctgccctatt 420

gatatttctc agaccgaaac caagggcacc gtgctcttga agaatgcaca ggatatgctc 480
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agctgggcca tccgtctggc cagtgagtcc gctcggacag tcctcagtgt tgatcagatc 1320
attgtggccc gacaggcggg tggtccaaag cccccaggcc ctaaccccaa ctgggatgaa 1380
gattaa 1386

<210> 19201
<211> 756
<212> DNA
<213> A.fumigatus

<400> 19201
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cccctcctca tgtctgctgc cagatacctg aactccctgg gtaacaccgc cccagtccgc 180
accccagccc tcgagaaagt cgagcatctc gccctccatg accgcgaccc tcgagccatg 240
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gcccaagcga acgcagatac gaaaacgggc gaggttggaa ccaagacaga tgatctcctg 480
cgctctgcag ccctggacta ccaggacccc gagtcgctgg tccagtatgc cacagcgcgg 540
atgcgagcgg gcgatctggc catgtacgag gattgcatga gccggggccg cgacggcagg 600
gaaggccgag gcgtgccgtc gactcgcgaa cttctactat ctcacttcgc tgggacggta 660
cccgcggcga ggggtgcacg agaccgaggc caagaccagt gcccccgtgg aagtagccgc 720
aaagccagcc tcaagcgcat cctcgcgaac gagtga 756

<210> 19202
<211> 303
<212> DNA
<213> A.fumigatus

<400> 19202
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cccgaaaatc atccgctgac catcatggtg aatggcgtgc tccgcagatt gataccacaa 180
gcgccaattg aaggtgcaga ttggagagtt catgtcatca aggatgacgg tatggtcaat 240
gcttttgttt tgcctgggta tgcatatcct ttaacatcac ggcctgctgt cgtatgccac 300
tga 303

<210> 19203
<211> 339
<212> DNA
<213> A.fumigatus

<400> 19203
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ggtggtgctg ctgccgctcc cgccgctgct gaggaagaag aggctgcccc cgccgcgcag 120
gagaagactc ttttcaacct gaagcttgag acagtggatg ctgcctccaa ggctaaggtc 180
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tcggtaccca agatgatgaa ggagtctgtg cccaaggagg aggcggagaa gatcatcgag 300
accctgaagg ccgtgggtgc taaggttgtc atggagtaa 339

<210> 19204
<211> 312
<212> DNA
<213> A.fumigatus

<400> 19204
catcacggcc tgctgtcgta tgccactgac cgtacacaca gtgggaaagt gtttgtctac 60
acaggcattc tgccaatctg taaagatgag gacgggcttg cagctgtatt gggccacgaa 120
atcgcccacg tcgtcgcgca tcatccggca gagcgcatga gcaacaacat cctgaaagtt 180
ggagcggtat tacttatttc tatgctattt gacatttcag gccagattcc gtcgctactg 240
ctcaacctaa tgtacagctt gcctaattca agaacgcaag aggtaagact tgcttccttg 300
ctccgcagat ga 312

<210> 19205
<211> 510
<212> DNA
<213> A.fumigatus

<400> 19205
caccgcgatt gctacagtca cgatgctgag gacggcgcca tcattcgcaa tatcgaggcc 60
tgccaggcga tctcaaagac cgtccaaaca tcgctcggtc cctacggccg caataagatc 120
gtcatcaacc acctgcagaa gatggtactt acgtccgacg ccgctacgat tcttcgcgag 180
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gagatgggtg acggtactaa catggtcatc attctggcgg gagagctgtt gaaaaaggcc 300
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cagaattatg ctctgaaagt actagagggt gcgttgtttg gtcttgcctt tttctcacac 420
cgtttttcag gggctatcca atgtgcctcg cttccgagcg cattttgttc atctactgac 480
cgaaattgtg ttgtcagacc tcgaagttga 510

<210> 19206
<211> 768
<212> DNA
<213> A.fumigatus

<400> 19206
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gctggcgtga gaattcgagt ggtcgcaaga ttcgtcttct tcgtctcggg tttggcagtc 120
tcggacttgg ccttgccctc ttcctcatcg ccttgcttgg ccttttttcgc aggcggggat 180
tcgtcatcat ctgagtcgct cagctcgatt tccgcgtcgc tctccacgtc aatccatcca 240
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tttcggcgct cttcctcctt ccacttctcc agaagctcaa gaccttcgat ctcgccagtc 420
tgttgctcac cgaagcggcg ctccttcttc tctccagctc gcaagctcat agaagcctcc 480
ttaccgcggt cccgtctctt gagcatatcc gcgccgacat ctctgtacag actaagtaat 540
cctctggcag ccatgaccac gcccttgtct ttactcttcc tgtacataac gagatcctgc 600
aacaaggttt cgttcatcgc taaaggctgt cgggcgcaaa tctctcgaat ggcattgagg 660
ccggcagtag ccacctccga cgctgctgct tctgagacaa actcatttgc gatcttctgc 720
acgagaggct ccaggacatc aggtggaacc aagtcatgtg atgcttga 768

<210> 19207
<211> 1122
<212> DNA
<213> A.fumigatus

<400> 19207
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cgcacgctac tcctttcgca atttctcggt ccaaacaagc cgcttgagat caatgcgtct 120
tcagaaaatc cgtcgtcgcc aataagcagc gcaaacattg ctccaccggc cattctgagt 180
gttcggcccc ctacggcgga ttctgcgagc caaaatgcat cgtcgcaatc ctttgcacag 240
aataacgtac ctggaaacgg aagcttcgga tacgaccggc gagtgagcat gggcacacag 300
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cctgagcgga tgccctcctc tacttcatac gattcccttt tccttccgaa gccgcaagcg 420
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ggccagcagc agggtgacta tagagacagc tatgggggtg gattccatcg ctactctcaa 660
tcggacacgt tttctccaac ggcaaatatg gcgccaccgt taattcctgc ctctgaatta 720
cctcacgggg cgactatcaa ccacctgctt cccctcgagc ctcgcgatat acctttgcg 780
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ggcaaggaaa ttgcttccat cacctgggag aaacttgcca gtcgcgcgga aaaagtcgca 960
caagtcgttc gtgacaagag taatttgtac cgtggtgacc gcgtggctct gatttaccgt 1020
gattcagaga tcattgagtt tgctgttgcc cttatgggat gcttcattgc tggggttgtt 1080
gctgtgccca ttaataatct cgaagactac cagagtctaa ac 1122

<210> 19208
<211> 456
<212> DNA
<213> A.fumigatus

<400> 19208
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ttggtcgggt tgggttccaa tttcgatggg agacattcga ctcgtacaaa aatggaaata 120
tccgcgcaca caagactagg aatagatgca ttggacagga tcgggttgac agacgcgaat 180
ttgctgactc ggatttacaa atatagcgac tacatccaga tccgcaaccc cgtctacatc 240
cctcacactg ccggtcgtta tgccgctaag cgtttccgca aggctcagtg ccccatcatt 300
gagcgcctga ccaactctct catgatgaac ggtcgcaaca acggcaagaa gctcatggct 360
gtccgcatcg tcgcccacgc tttcgagatc gtacgtgcat tttccgcgag aacctggaac 420
tcagccaggc aacgtctgcc agggacaaat tactga 456

<210> 19209
<211> 468
<212> DNA
<213> A.fumigatus

<400> 19209
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tcgtacgtgc attttccgcg agaacctgga actcagccag gcaacgtctg ccagggacaa 120
attactgatg cttcgtcttt attttcacag atccacatca tgaccgacca gaaccctctc 180
caggtcgctg ttgacgctat tgtcaactgc ggtcctcgtg aagacagcac tcgtatcggt 240
tccgccggta ccgtccgtcg tcaggccgtc gatgtttctc ctctccgccg tgtcaaccag 300
gccatcgctc tcctgaccat cggtgctcgt gaggcctctt tccgtaacat caagagcatt 360
gccgagtgcc tggctgaaga gctcatcaac gctgccaagg gaagctccaa ctcttacgcc 420
atcaagaaga aggacgagct cgagcgtgtt gccaagagca accggtaa 468

<210> 19210
<211> 312
<212> DNA
<213> A.fumigatus

<400> 19210
catgagagcg cggtattcag gtcgtatatc gaggactttc gggctcagca ctaccaatat 60
gagagccatc gagagatttt tatggcagcg ccaacggctg ccactgatac cggaatcatt 120
tcgctgcgag aattgatcga ttttatcgct cacgttgccg attgctatcc aactataacg 180
aaggaatttc cgcagcagct catggatatc cttacccagc accatctggt tttggaaccc 240
gaactgcgtg aaaaaattgt cggaagctta gtgctgcttc gaaagaaaga gttgcttgat 300
tctgcgacgt aa 312

<210> 19211
<211> 222
<212> DNA
<213> A.fumigatus

<400> 19211
aggttcaccc aacgacaccg tccgtcacct tcacgaatcc ctccctcgac aacaggtgca 60
tacggcgtca caatgtctga tcacggggaa gtcgaggtcg aaaacccttc tggggctttc 120
caggctctgc ctaaggacgc tcttgccgag atgggcacca tcaagctgtt caacaagtgg 180
agctacgagg atgttgagat ccgggatatc tctttgacgt ag 222

<210> 19212
<211> 1512
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (47),(61),(100),(108),(134)
<223> Identity of nucleotide sequences at the above locations are unknown.

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aagcttaacc ggantatgca gactgtcctg ttcaacttag ttacgtccga ccgcacctct 180
tccaaaggct tgtgggcaat caagctcacg cgcgaactat ggaaacggca gatctggacc 240
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gttggtggtg tccgtttctt cttgggcggc gacaaggaac gagaggagat ggaagacgag 360
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aagacccgga agaagtcccg cgcagtcgag aaggcaaagg ccatagtcaa gaagcgagaa 480
cgcaagaaga accaaccgca tcctctgaac ttctcagccc ttcatcttct gcacgatccc 540
caaggattcg cggaggcgtt gttcgcgaaa caccttcaga atacgaagtc gaacttgaac 600
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catatcatgc atctctactc ttactttcag aaatatctca caccacgtca ggcctctgtg 720
acatcgttcc tggcttccct tgctcaagca tcacatgact tggttccacc tgatgtcctg 780
gagcctctcg tgcagaagat cgcaaatgag tttgtctcag aagcagcagc gtcggaggtg 840
gctactgccg gcctcaatgc cattcgagag atttgcgccc gacagccttt agcgatgaac 900
gaaaccttgt tgcaggatct cgttatgtac aggaagagta aagacaaggg cgtggtcatg 960
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gaccgcggta aggaggcttc tatgagcttg cgagctggag agaagaagga gcgccgcttc 1080
ggtgagcaac agactggcga gatcgaaggt cttgagcttc tggagaagtg gaaggaggaa 1140
gagcgccgaa aacggagaat cgagaagggc ctgccttctg atgcggaaga tgatgaggtc 1200

gatgaggcag aagacgatgc ggcctgggaa cgatggaaca ttgaagagga cgaggatagc 1260
gatgattccg gtggatggat tgacgtggag agcgacgcgg aaatcgagct gagcgactca 1320
gatgatgacg aatccccgcc tgcgaaaaag gccaagcaag gcgatgagga agagggcaag 1380
gccaagtccg agactgccaa acccgagacg aagaagacga atcttgcgac cactcgaatt 1440
ctcacgccag ccgacctggc taaactgtct tcaccacagg gagcccgaag gatgccccgc 1500
aatgcggggg ga 1512

<210> 19213
<211> 183
<212> DNA
<213> A.fumigatus

<400> 19213
tatgtcaatc acacacatgg tatttgcgag gacgctgatg attccgccga agtcttttac 60
aaacatcaca acttcctcct ctctcggatg ctgaagggtg aagaggaagt ggaatggacc 120
aaaacacacc ttttcgagca tttatgcgaa aagtttcctg tgagcagatc catcagtacc 180
tag 183

<210> 19214
<211> 291
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (104)
<223> Identity of nucleotide sequences at the above locations are unknown.

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gacaagaagt tcaatatcct gatctcacgt gtggtttgta tcgntaagat acaacacaag 120
aatatcggtt attcagggcc cctaagcagg caattgctct gttaccgctc tcttatttct 180
gaggtccgct ccacattaag aaacctgatc gaagttgttt tagctagtct gcttctcagc 240
ggagatgcta gcagagatcg gaatgactgg actgagatga gtatcaagta a 291

<210> 19215
<211> 603
<212> DNA
<213> A.fumigatus

<400> 19215
tatgactccg tgattacaga ctgcaagaac ctcgccccta cttgggagac cctcgccaat 60
gacttcgctc tcgagcccaa cgttgtgatc gccaaggttg acgctgaggc agagaattcc 120
aaagccctcg ctaaagaaca aggcgtcacc ggatacccca ccatcaagtt tttccccaag 180
ggctcgactg agcccatcac ttacagcggt gctcgttccg aagaagcctt catcgagttc 240
ctgaacgcca acgctggtac taaccgtgtt gttggtggag gtctcaacga gaaggccggc 300
acagtcgccg ttttggacga gttcattaat aagtacatct cgtcgcgcaa cgccgaggag 360
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ctcaagaaga tccttgagaa gggtggctcg gcccccgaga agcttgacga tattgtttct 540
cgcagcaaca tcctgcgcaa gtttgttggc gagaaagaca ctgatgccaa ggacgagcta 600
taa 603

<210> 19216
<211> 897
<212> DNA

<213> A.fumigatus

<400> 19216
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aggaagaggg tactgttgaa acaaatggca aggtatgtcg gcggtgccac agaagcgtta 120
aaatcaagat tgctaaatca atcgctcgcg tgcgcacagg ctcaatcgga gaatttgaaa 180
tccaagaagc gcaacgattc tgaagatgaa gtcggatcaa gcaacaatgc ggatggagag 240
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gaggagggag aagaagaaga agaagaagac attcctctat ccgacttgtc cgaagacgaa 360
agagaggatg tggttcctca ccagcgcctc acgatcaata actctgctgc tatcaacaca 420
tctattaaac gcatttcgtt catcacctcc cagacgccgt tttcagagca caattcgcta 480
gtctcgaaag agccgatcga agtccccgac cccaacgacg acctgaaccg cgagctggct 540
ttctacaagg tttgccaggc tgccgcttca gaggcacgcc gcctgttgaa gaaggagggt 600
gttccgttca ctcggcccgg cgactatttt gcggagatgg tcaagaccga tgagcacatg 660
agcaagataa agaagaagct ttacgacgaa gctgctgcca agaaggctgc cgcggaagct 720
cgcaagcagc gggatctgaa gaagttcgga aagcaggttc aagttgccaa gttgcaacag 780
agacagaagg agaagcgcga gacacttgag aagatcaatg agctgaagaa gagtaggtta 840
cccgttcttt tcacacaggt ccctgaacaa ttactgacat gttctctcgt ctcctag 897

<210> 19217
<211> 204
<212> DNA
<213> A.fumigatus

<400> 19217
tatgcagcag ttctctcaag actcagtttg accgctggct ccgttctcca tgagcgaaag 60
cccagtgtca aggttcccca tctcccgaat ccgttcgaga agattatcaa cgcgtatatt 120
aatattcaac ctttgttctg caaaaacaag gtcaagtttg gccttggtgt cgtccgcatg 180
cgccaaggaa tgatcttgga ttaa 204

<210> 19218
<211> 405
<212> DNA
<213> A.fumigatus

<400> 19218
gatgagtatc aagtaaggct tatattatgc ttcacaaaga tctacggcgc tgaccttcat 60
agacttccgt tcattgacga caatgactgc ggtctcggca ttgcagtgcg cacatatctc 120
gatgacctgc ccctgcaggc ggacccaact tcgccggagg cacggttaga ggtaaagtcc 180
aagggtaaag agtggtttca gcacagtgac agctttacga gcaacctgga aaaggctttc 240
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tttttcttct accaggtcta caagggcaca cagaacgcca gtaaagaatt taaagacgtt 360
caattgtgga aggaggcaaa tgaatggttg tcggcgaggc gatag 405

<210> 19219
<211> 651
<212> DNA
<213> A.fumigatus

<400> 19219
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attgccagcg ccacttccgc cgtcattgat ctacttccca agaacttcga cgatgtcgtc 180
ctcaagtccg gaaagcccgc tcttgttgaa ttcttcgccc cttggtgtgg ccactgcaag 240
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attggtggcg acaagaatgt gttggttgct ttcactgcgc cttggtgcgg acgtgagtcc 600
ttccatcaat tttttccctt ttcctggctt tgtcggactg atctaatatg a 651

<210> 19220
<211> 330
<212> DNA
<213> A.fumigatus

<400> 19220
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gacaaggata acgatctatt cgatattgcc atcgaagact ctggcaaatc caacagccgc 120
aagcgcagtc gcggcaatga gagcggcgga ccctcactga agcgccagaa gaagaatgaa 180
aaatacggct tcggtggtaa gaaacggcac gccaagagtg gtgacgctat ctctagcgga 240
gacctgcgta acttctcagt caagaagatg aaaggtggct ccaagagacc tgggaaaagt 300
aagagagcgg cggcaaaggg caggtcctaa 330

<210> 19221
<211> 2175
<212> DNA
<213> A.fumigatus

<400> 19221
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gtctcatggc gcatcatcct ggccgacctc gaggctatgc ttaggggaga aaatcccatg 120
gccaaccatt cgacccctttt ccaaacatgg tgccgactac aggcggagta tgctcggcaa 180
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<210> 19222
<211> 3477
<212> DNA
<213> A.fumigatus

<400> 19222
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gcacagttcg atccgttgac ggaagtttgg atcttttccg aacctcaccc agaccgactg 3300
gagatccaag tgtgcgccaa tacccgggtc ttatctgagg accaggcaag agctttgtgt 3360
cggcggctct gtgacctgat cgaattcttc tctgcttcac cagactgccc gctgagcaaa 3420
gtagtcgatc acatggaccg cccagggcta ctcgcagaag agaaagtgct aaactga 3477

<210> 19223
<211> 2583
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1143),(1155)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19223
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cgaatcgttc accacttcgt gtacacgctg caataccttc tggcgcatcc cgatgctcgc 180
gtagcggaga ttccagtggt tagtcctggg gaaaagcagt tactgcgcca atggaacggc 240
atcgtgccgc ccgcctctca ccaatgtgtc catgaaatca tacagcagcg tcagatcgag 300
cgtcctacct ctaccgccgt gtgggcctgg gatggccagt tgacctatgc agaacttggg 360
gagctgtccg atcgcctagc ggaatacttg gccaccaaag gggtccagcc agaagtcatc 420
gttcccgtct gcctggagaa gtcatactgg accaccgtcg ccatgctggg aatcagcaag 480
gctggcgggg catttgccct tctagacccc tctcaaccgg aacaaaggtt gcagagtatc 540
tgccaccaac ttaactccgc tgtaatcttg acctccgaga aaaatcgcga tctggccggc 600
aagctggcat ctcatcccat tgtgctgagc ctgcagagct cccgccgctg gggtcatggg 660
ccagcaaaac aggcaccggc tacagccagg ccggaccaca cgttatatgt tgccttcaca 720
tcaggatcca ctggaacacc caaggggtg gtcatcgagc atcgatcatt ctgcacgagt 780
gcactggcgc tgaaccgaat cactggcgtc aacagtgagt cgagaatgct gcaatttgcc 840
ggatattcct ttgacggcag cataatggag atgctcagcg ccctgatggc cggtgcttgt 900
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gagctcactc atgcccatct cactccttct gtagcacgcc acctcctgag aggaaatccc 1020
gagtttacaa agaccttggt gagcgtggga gagcccatga cagcgtctga cgttgccgac 1080
tgggccagta atggacagtg taaggtgatg aatgggtacg ggcctgcgga gtgcgcggtg 1140
tcnaccacga tccangcggc ggtgacatcc gcctccgacc cgaaaaacat tggatttcca 1200
gtggcaggtg tctgctgggt ggtgcatcct gaaaaccatg atattctgct gccgcctggc 1260
gctgtgggag agcttctgat cgaagggccc actctcgctc gcggctatct caacgagccg 1320
gacaagacag ccgccgcatt tatccctcta ccagcatgga taaaggatat tcggcctgaa 1380
caacctcacg ggcgactgta caagtctggt gacttggtac gatataacgc ggacggctcc 1440
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gatgaagtcg agaaacatgt ctatcaatgc tggccggggg ttatcgcagt cgttgccgtt 1560
gagatggtca gcttcactcc tgccacgcaa actctcgtgg cctttgtcgt ggtggaggag 1620
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gctgtagcgc aggctcggtt gcgcgaagct attcccgcat tcatggtgcc cgagatcttt 1740

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ttaaacttac ctctagctga gattggaatg gatgatagct tctatcaact gggaggtgac 1980
tccatcacgg ctatgcaggt agtcgctcac gcacggtcca aagggttggc cgtaacaatg 2040
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cagatgttct ttgaccggca acccagtggc tgggaccgat ttagccaggt ctttctgctt 2220
cgtgtctcac agcctgtcac tgcgagccag ctgcaaatgg ccctgcatac cctagtctcg 2280
aagcatccca tgctccgcgc gcggtttgcg aaacagcacg atggaagttg gcgccaagtc 2340
atcacctcga aaatccaaga atcctaccgc tgccgttctc atcgattgaa ccgtcggtcc 2400
agcgtggatg gcgttgtctc atccggcgcc tgttcactca gtatccagaa agggccactg 2460
attgcagtcg acttgatgag tcgggaggac gggggcgcag tacctctcca tggtaatcca 2520
tcatttagtg gtggatctag tctcatggcg catcatcctg gccgacctcg aggctatgct 2580
tag 2583

<210> 19224
<211> 285
<212> DNA
<213> A.fumigatus

<400> 19224
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tacagcattt tacagatgaa tgagtattcc ctttctctat catatgatta ctggcagatt 120
gatatgttct cgtttcctac tctggagtac tcccccggtg ctatgactac ctatctggtg 180
ctcgattgtt tacaccaggt gcatggttac ctcagtagct ttgaccgcca tctggtgact 240
gcactcgcta cttgcatttc gcctcggagt gttgatcttc tgtga 285

<210> 19225
<211> 183
<212> DNA
<213> A.fumigatus

<400> 19225
aggttgatta tttgttatga ccctttcgcg gtcgacgcgc cctcgtggtt cgtgtctttc 60
gattcagggg taaagagacg ttacgaacca cggttctctt actctgtgct ccctccgtac 120
tctgacgact ccgtggctct acactattac aatagcttac tcatcaagtt gtgcatgaaa 180
tag 183

<210> 19226
<211> 195
<212> DNA
<213> A.fumigatus

<400> 19226
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ctcggcctcc agatcccctg gcccgcagca acccccccagg accaacagcg tcaccccgaa 120
tcccccagcg actgccctcc caacgctccc aaaattgcgt ggggcttggg agtcatccac 180
atcgtccccg gataa 195

<210> 19227
<211> 1215
<212> DNA
<213> A.fumigatus

<400> 19227

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ccgccgccgt tcatcctgat acccaacgac aatcctgaca attcgcattc gaccgttcca 120
ttggtaccat cctacgcatc tccaaaagtg tcgaatcgct cggcctccag atcccctggc 180
ccgcagcaac cccccaggac caacagcgtc accccgaatc ccccagcgac tgccctccca 240
acgctcccaa aattgcgtgg ggcttgggag tcatccacat cgtccccgga taaccgagag 300
aaggagagta gtgtttatta tacaactgct tggggctcac cttatgcggc accaagcccg 360
cggaggcttt cttggtcttt aagtcagttc gcgggtattg atcgcgcctc tggagacagc 420
tctccagcgt cgatgcgaag tggtatacac cacgatccgg agataaataa tacagactta 480
ctaaagcctt ctgctgcgga gacatcggcg cgtcatctct acagcaacct tctcagtcat 540
tctcctggac gagacctgct tagcaggaaa ggaggtaaat ccatcaagga ttttacgcag 600
gactggatca accaatatct ctcagggcaa ccacgaacgg agcgaagcaa ctggttgagc 660
gacgactccg gtagcgaggc cccctcgttc tttaccgcgc aaaaccattt tgccgacgac 720
gcttcggacg actggcttgg tctggaggag gatagacctg gcgaggacct gcttagaacc 780
ccaacactcg ccgactttgt gagccgacga gcactcgctg ctaacggcga gaatagcctg 840
ggccgcccga aactcaagga ttctctacat aaacgaactg acacgcttcg gcaagaagac 900
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acacaacatt cagcggagat ggagaccggc aaggcgccgt cgccggctga gaagccgctg 1020
cctcctccgc ctccagcaga cgctgatagc gagccccaat cattatcgca cccctctgag 1080
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<210> 19228
<211> 5718
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (409)
<223> Identity of nucleotide sequences at the above locations are unknown.

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ctgagagctc atccactccg gtaccagtca aaaagccagc cctggacaag gagctgccta 180
cgccaacgcc aacgcccagg cccaggaatg atactcgtct ggcgcgggaa ggcctgcatt 240
attgccatcc ctgtcgatga caaaagaggc acggaggagt ttgggtaccg tttactgtca 300
gtcgaagacg tgcaacagcg gctgagagag tgggaagacg agggctatga tatccgtggc 360
ttcactgtcg gcgcgcctga ggacttgtca gatcttgaac tgggtgggnt aagccgccgg 420
ccattccccg actctaggga tgtccaggag gagtgggagg ccggaaaata cactgtcagc 480
attccagata aagccgaatg ggatgcgtat gtcagctggc ttcaggagga gaagctgcgg 540
gctctcggag tctcccttgg agatgaggag atgccaccat ccatctcccc tgcttctgct 600
gctcttagcc agatggcccc tttccccgga cttatcgcat cgccgccgat tcctacggct 660
tcagcaacca gcaacccgct atcgattccc caccatttct cgccccactt caatcagtcg 720
gcgaatgtaa gtaatggcat cggttcgttg gcgtctccgg cctcccagtt cagtgtacag 780
acgccattct tcggggtgga acagaatctt ttgccggggt atcttccgtt ccaacccaca 840
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acctcgacta taggtggcaa ccttcccaat ctgacgtcga ttatgtcgcc agtttctcct 960
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tctcagcatg gacactccga tcatggtccg caggaagctg tgccgggagg cacccaccca 1080
cgggcagaaa cgccggatca cttccacgcg tcaaacgtcg aaatcgctca gccgacaccg 1140
cgcggtcaca gtcggggcca taatctcagc gaaacccttc agaaaggcct ggaccaggtt 1200
ggcccctctg attaccacct ggaggaatca atagaacggc aacttgatga ggatgatcga 1260
gagccaatcc gaaacaatct tcacaactct gagctcttcc actcacgatg ggcattgccg 1320
gataacgacc accatggaat gcaacgtgta cctcaacatc tccaacaatt ttacggcgag 1380

aactacgtgc aagttcacgc caacgaagga tcggatattg acacaaatcc gagtctttct 1440
ggtgctcctc agggacatgg gtcacttacc aacaacatcc cctggcatga acccaagcca 1500
agctcaggtt cattcgtcgg cggacacaag tcaaagctct caacctcgac tctcaatgtg 1560
gaggcaaggg agtttgatcc cagcggcgcg tcaaccgcgc agaactatcc accccaaggc 1620
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<210> 19229
<211> 456
<212> DNA
<213> A.fumigatus

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cgagctgggg gatgcaaatt catgcgttgt aagcagagtt tctttccccт ttggtatatc 180
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taccaaggct ccaaaacgtc ttcattgtca ccgctggaca gaatagtatc caacttccgt 360
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<210> 19230
<211> 2316
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1623)
<223> Identity of nucleotide sequences at the above locations are unknown.

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ggcaactctc tccaggacga gtatgaactt cccagtgccg ccaccgacag ctccactgca 420
caattctttc cagccggtgg ccctctaccc gggatgaaga aacagcagtc atcgatctca 480
acaattgctc cgttgaataa tacagctgcc ttcctgagat ggatattcta ccggcctctc 540
ccggtgctgc ggattggaga cctgcgcatt gttttcccgt cgctgggaac ttctgctgtc 600
gtgctcgcag cgtttgtctt cgtaacgctc tatacttttg taccacagcc gctgtactat 660
tcatccatta ctgttggatc tccgccgttg gccattcgcg ccggcatgat cgccgtagcc 720

atggtgccgt ggattgtcgc actcagtacc agggcgaatt tcatcagcat gctcactggt 780
ttcggtcatg aacgccttaa cgtgctccat cggtggtcag gctacctgtg tctgttcttg 840
agtttggtac acacaatccc attcttcgtc acgccgatct gggaagatgg ggcgctcata 900
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<210> 19231
<211> 915
<212> DNA
<213> A.fumigatus

<400> 19231
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cagaaagccg aagaagaagt agccaggcgt cgtgaagatg caggcggcaa ggctacggga 180
tccgtggatt cagaagacct caagggcatc cgagtagaaa cggatggcgc cgtgttcgag 240
gacggcaagg tctatctgaa aggcaatcct ctccagacca caaaggaaat catctgtcct 300
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gatccgtatc gcgaatactg tcagaatcag ccactgatca cgaagcctgg acacgatgtg 420
cacgggaatc ccttcgctac ggacaaattg aacccaaaga agaaaaaaca gactaacgct 480
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gagaaggtgt catatcccac tgtgaaatgc cccaattgtc cgagatactt tgtggtcacg 600
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aaaacgccca tggagaatgg caacggctct ccaagcactg ggcctccgaa gcgtccacta 720
gcagacgatg acgcaccacc gactctgacg aaaaagaaaa agctcaatac acacaaaaag 780
ctatctggga agaaaccacc cctacctcca agcagcaaat tgagaaacgg tctgactccc 840
gatatggctg cagccgcgga tgcggcggcc tctggggatg ttgacgtcaa acgcgaggcc 900
aaagacaacg catga 915

<210> 19232
<211> 612
<212> DNA
<213> A.fumigatus

<400> 19232
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gatcaggatg aggagtatat gtcggctgga acggctcggc aggtgaggca ggatacagct 180
gctttacgat caaagggttc agcttcttcg ctgcaggttc cgcagcggca aagcgctttg 240
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ggtaccccta agaacccgcc gtccgcatcg ggaccagtgc tctcagacct cctgcccaac 360
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ggagcgctta caacaaacaa catctccgac ctgacggccg cgattgcggc cctcgaagtc 480
tctacgaatc cgacgctagg aaatggcagg caaaaatgca actgctacgc tacaatccat 540
ccgctcttcg aaccggctcc aaactgccgt cttctcccac agggaggccg aaggatcagc 600
gcaatgcgta ta 612

<210> 19233
<211> 207
<212> DNA
<213> A.fumigatus

<400> 19233
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ggctttctgc cgggcaacaa ccaccgcgga gcgcatgcga gcgacttttt catcgcgatg 120
aacttgagca acgatatcat ggatgatgtt gtagaatgtc tcattgagaa tgtcgcaggt 180
ctgacctggt cagctaatgt gctttga 207

<210> 19234
<211> 1164
<212> DNA
<213> A.fumigatus

<400> 19234
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cctcctatgc agcctccctc actactagtt cttccacagt cttcgagccc ttctgctaca 180
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cgccttgaac gcttgtctgt agggagcgaa acgagttccc attcgcagaa gccggagcca 600
acgaatctct acatccagac tctccatctg ctctccccgt atcgatgctg tgggatcgcg 660
gcctccctgc tcaattctat actcttcgct tccccaccgt cgccttcctc ctcatcttct 720
tcctcatcct tttcttccta caatgtgtca gagttggtga aacattacaa catccgcact 780
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tctcagagcg gctcggagca ggctcagccg ggccaaaatg atgcgaggga ccaggacgaa 1020
gacgatgact gggaaaaagt cgaggccgag gatagcgatg acccggatgc ccaaggagtc 1080
cagtttacgg agtccaggat cctggagggg ggtgatggcc ccccaaggaa aaggaaagca 1140
gatgatgagc cccaaagaca ttga 1164

<210> 19235
<211> 189
<212> DNA
<213> A.fumigatus

<400> 19235
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ctctgcgact tgagtgactt ccttgcggag ttcctcaccc gacacggctc taccgtcatc 120
ggcaccggcg cctttaaccg caccccgttc ctcctcagac ggcttaagct tctctccgac 180
ctgttttga 189

<210> 19236
<211> 192
<212> DNA
<213> A.fumigatus

<400> 19236
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tctaaatcct tggaatttag gtctcgctcc atttgggccc tcaagccaaa ctgcccatat 120
aaaaaattct tcctaccttc aaccaccctc ctcgcaaaaa acaatttttc cccctctttt 180
tcaccgtttt aa 192

<210> 19237
<211> 213
<212> DNA
<213> A.fumigatus

<400> 19237
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agcttcaaca aggcactcac ctccctcgtg gtgatcctta tccctagctc caaggttaca 120
gaaagtatcg agctgccggg tccccagtac cacaacaacc gttatcatgt ctggaggaga 180
aacggagcca ctcctgcctc gctacgacga tga 213

<210> 19238
<211> 1827
<212> DNA
<213> A.fumigatus

<400> 19238
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ctgtccgata cctcaaaaca ggtcggagag aagcttaagc cgtctgagga ggaacggggt 180
gcggttaaag gcgccggtgc cgatgacggt agagccgtgt cgggtgagga actccgcaag 240
gaagtcactc aagtcgcaga ggttgcaggg catgggctga aagccactgg tcgagatgcc 300
attgatagtg cgaaggagca tctaacggga caagagcgag atacgctgct gcatcggctt 360
aaacgggccg ttatcaagct gcgagagcga tcggattatt cggactcggt ggccactctg 420
tcacacttgg tgcagcgata tgcacagctg tacgccaatg ccgcctcaga ggtcgtctcc 480
acggccgagg aagaggccga tgtcaatgaa gatctccaac aggcaatgga gcagctttgg 540
aagctgcttc agtcctatgg agatgtcgaa gagtggaaga agctggagga aagattcaag 600
gatgtcatca agcacgccaa caaagaccca gagttcgaga aaatcatgtc ggagattggg 660
tcggcgctcc aggaaatgct aacggacccc aagttctttg acaaggctcc tcaaaaagta 720
gacgagctga aggagaaatc gaagaatgtc ggcaccgaaa ctaccctgcg tcgggacgtc 780
gacgccttcc tagttcaggc gaagcgcaca ctgcggactg tacctgagga cactcaagtc 840
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cgaaaaagcc agctgccctc agacatggca gaaatctttt ttcccgttat cattcgcagt 960
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gcgcctggaa gtattgtcaa agtgtggcag gaggagggat tgcgggctca agaggccatt 1740
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gttggtcggt cttggggaag tacttag 1827

<210> 19239
<211> 843
<212> DNA
<213> A.fumigatus

<400> 19239
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cagatctgcg atgcgtgcga ggggacgggg tcggcggacc ggcaggtggt gacgtgcccc 120
aagtgcaatg ggcgtgggcg ggtgatccag aagcacatgc ttgcgccggg catgtaccag 180
caagtgcaga tgacgtgcga cgcgtgccac ggccagggca agacgatcaa gaagccgtgt 240
cctgtatgtg cggggcagcg ggttgtgcgg cgcgaggtgg agacggttgc gacggtggaa 300
ccgggcatgg acaaggggac gcggctggtg tttgagaatg aaggcgacga gagcccggac 360
tgggtggcgg gcgatctgat cctggtgttg gaggagaagg agcccgagct ggcggccgac 420
gaggcgcgcc gcaccgacgg cacattcttt cgccgcaagg gcaggcacct gttctggcgg 480
gaggtgctgt cgttgcgtga ggcgtggatg ggcgattgga cgcgcaatat tacacatctg 540
gacgggcatg tcgtgcagct gagccgcaag cgcggcgagg tggtccagcc gctttccgtc 600
gagacggtca agggcgaggg catgcccttc tactccgagg gtcatttgca cgagcaccac 660
gaccacgatt cggagccggg caacctgtac gtcgagtaca ccgtcatcct gccggaccag 720
atggagagcg ggatggagaa ggacttctgg gccatgtggg agaaatggcg caagaagcac 780
ggggtcgatc tcggcaagga cagtggccgg cctatacctt tagagggcaa agacgaatta 840
taa 843

<210> 19240
<211> 435
<212> DNA
<213> A.fumigatus

<400> 19240
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caccaaatcc ggcaacgcta ccacctccaa aacgacacag actacaagtc ctacaacgcg 120
ctcgccggct ccctccgcca gctcgcccac aagctctccc agctcgaccc ggactcggat 180
ccgctgcgca agaagatcga gtccgaggtg ctggataagc tgtggcggat gggattgctg 240
aagcagtcgc gcgagcaagg ggcggggttg tcaagggtgg agcgcgaggt gacagtttcg 300
gcgttttgta ggaggaggtt ggctgttgtg atggtgagga cggggatggt ggagacgatc 360
aaggctgtat gtttttccac cctttttttt ctttcctttg gactgaagaa aaagaaaaag 420
agaggtgggt gctga 435

<210> 19241
<211> 357
<212> DNA
<213> A.fumigatus

<400> 19241
catatagtca tcaaaatggt cccgccgctc aaatattacg agaaaaagtc cggttcggtt 60
aattctccct tccttttttac cccgaccccc agaaagcaag tttctaacaa caatgagata 120
gactcctccg aaaggtcgac ttcatcaact acaaatccga cggcggccac cgcgaacacc 180

aaatccggca acgctaccac ctccaaaacg acacagacta caagtcctac aacgcgctcg 240
ccggctccct ccgccagctc gcccacaagc tctcccagct cgacccggac tcggatccgc 300
tgcgcaagaa gatcgagtcc gaggtgctgg ataagctgtg gcggatggga ttgctga 357

<210> 19242
<211> 264
<212> DNA
<213> A.fumigatus

<400> 19242
caatacacca ccttggcgtt gaccattgaa ggaaggcctc gaccaattgc tacgtgtaag 60
cgcagctgtg atgcagcttg cgtaccaatc atcacaatgc gtctaattac aattctgctc 120
gtgattgcac tttgtctggt tctggcattg gccaaggaag attactacaa gatactgggg 180
ctggaccgct cggcctcgga gcgggatatc aagcgcgcgt accggacgct gagcaagaag 240
ttccatcccg ataagaatcc gtaa 264

<210> 19243
<211> 339
<212> DNA
<213> A.fumigatus

<400> 19243
cgagagaggt tcatgggctc attcaagtat gacggtagag gcgacgagac ggcgcgggag 60
agattcgtcg aaatcgcaga cgcgtacgat gtcctctcta cacctgccac gcggaaaatc 120
tacgaccagt acggacacga gggaatcgag cagcatcggc agggcgggac ggcaggacgc 180
cccgcgaacg acccccttcga tctattctcg cggtttttcg gcggcggcgg acacttcggg 240
catgccccgg gccaccggcg cggaccggac atggaaatgc gcgtaggcgc tgccgctgcg 300
ggatttctac acggggcggg agatccggtt tgggattga 339

<210> 19244
<211> 255
<212> DNA
<213> A.fumigatus

<400> 19244
cgtgaatatg tgattgcaga acatgatgcc tttgcagacg agccgtggat catcaaattg 60
acaaactata cccgagagtt atacgaaaaa cacaagaagc ctatcattgg gatctgcttc 120
ggtcatcaga taattgcgcg tgcactggga gcccgcgtgg gccgcagcga cagaggatgg 180
gagattgctg ttgagccgat tatactgact gatactggga gggtcctatt ctcaaagaat 240
gttctggtaa gttaa 255

<210> 19245
<211> 336
<212> DNA
<213> A.fumigatus

<400> 19245
tggcagctca ggaagaatca tctactgtct ccaaaatcgt caatttcatt gtccctcatg 60
gcgcgccttc ttcgtgcagc aatcctcgag tgtgacaccc ccattcagcc cgtcaaggac 120
cgctatggga cgtatggaga tctttttgag aacctcctca aagcaagtct aaaagcgcag 180
ggacttgacc cgcaggtgga cttgcaaatc accaaatggg atgtggtgaa cggttctgtc 240
tatcctgaac cggatgactg tgatgcgata ctcttgactg gaagcagtac ggtttccctg 300
gcaggtcctt ccgcaacagc taacgtgaat atgtga 336

<210> 19246
<211> 486

<212> DNA
<213> A.fumigatus

<400> 19246
caggcacagt acccctacct cattacgatc aacacgctcg ttccagccct cctggccgga 60
aacacggtca tcctccgtcc ctccccgcaa acccccctca tcggcgaacg cctcctctca 120
tacttcaccc aagccggtct gccgcccaac gtcctccaac tcatccacgt tggctccctg 180
gacgtcctcg acgagatcgt caagctcccc caaatcaagc ttgtctcgtt caccggctcc 240
acagcaggcg gcgtccgcat ccgtgaagcg actgcccgcc gcattgtccc agtgaacctc 300
gaactagggg gcaaggatcc ggcgtacgtg cgcgccgacg cagacatccc ctacgtcgcg 360
gcgcagatcg tcgatggcgc ggtcttcaac tcggggcaga gctgctgctc catcgaacgg 420
gtatatgtcc acgcggacgt ccacgatgat tttgtcgcgg aggtgcagaa ggagcttcag 480
acgtaa 486

<210> 19247
<211> 312
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (309)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19247
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gggtcgagcg ccatctgcga gatacacggt ctctacaggg ccggaaggat ttttagtgtc 120
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atgggggtct tcgatgacca gctctccaag gacggtttat cacgggccgg aaaaccgcat 240
gatggattag ttgtcggcga ggcgatttgc aagttccttc ttgatgatcc gggagtcaat 300
cgtgtatant aa 312

<210> 19248
<211> 798
<212> DNA
<213> A.fumigatus

<400> 19248
acagtgaaca ggcaagttga ttgtgaaacc atccatcatc acatattcaa tccaaccaaa 60
atggccaacc agattcgcac cttgtctccc tccaccaacg aggttatctt cgaacaccag 120
ggaacctctc tagaagaggc tcgcaagatt gcacaagcct cttatgaagc attcaaatta 180
tacaagaaga tcactctctc tgagcgcaaa gatattatcg tcaaagccct cgaattgatc 240
gcggccaaca tcgacaccct aagcaatgag ctcaccacgc aaatgggccg tccgattgcc 300
tacagcgcaa aagagatcga gaccatgcgc aaacgcgccg attatctctt gtcaatcgcg 360
gaggatagcc tgcaggaaca cccaggacag ctagagaagg gatttagacg cagcgtgaag 420
aaggaaccag ttggaccgac attgatcgcg acagcgtgga atgtacgttc agttcgaaca 480
tcgcctcatt ttcgcatatc taacaggcac agtaccccta cctcattacg atcaacacgc 540
tcgttccagc cctcctggcc ggaaacacgg tcatcctccg tccctccccg caaacccccc 600
tcatcggcga acgcctcctc tcatacttca cccaagccgg tctgccgccc aacgtcctcc 660
aactcatcca cgttggctcc ctggacgtcc tcgacgagat cgtcaagctc ccccaaatca 720
agcttgtctc gttcaccggc tccacagcag gcggcgtccg catccgtgaa gcgactgccc 780
gccgcattgt cccagtga 798

<210> 19249
<211> 507
<212> DNA

<213> A.fumigatus

<400> 19249
cctaacacct gcaatgacaa cgctaggtac aaacttggcg atccaaccga caactccaca 60
accaccggcc ccgtcatttc ccgccacgca gtgaaaacta tccagtcgca catcgacgac 120
gcactctcca agggggccat caacgcaact ccccccaatg aatccttcct ttctgtcccc 180
tctcagaaac cccaggggaa ctacatcgcc cccactgtgc tcacgaacgt cacgcacgac 240
atgaccgtca tgaaagacga gaccttcggc cccgtgctcc ccatcatgaa ggtctccagt 300
gacgaagagg cggttgcgct catgaacgat agcgagtacg ggctgactgc tagcgtgtgg 360
acgagggata tcgcgcgcgg agaggagttg atcgcggaga ttgaggccgg gaccgtgttc 420
atcaatcggt gtgactatcc tagtccggta tgtacatcac cccaattctc tttccaaaaa 480
aaaaaatccg gatttacagg gtgctaa 507

<210> 19250
<211> 696
<212> DNA
<213> A.fumigatus

<400> 19250
tcagacacaa tggttggaag actcgctgga aagaacgcta tcgtgaccgg cgctgctggg 60
tatgtttatc atgttcctga actttgcctt gtagatcaag gacagagaga acagctgaca 120
aggaatgata gtggtatcgg gcttgaaact acaatcctca tgctccgcga gggcgcctcc 180
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gtggtgccac agcacgacgg ccgggtggaa taccgcgtcg tcgacgtatc caaggagtcc 300
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ctggttggtg cggctacgcc tcagcttgcg tacaccgcca gcaagggtgc tgttctggcc 600
atgacccgtg aactggccat tgtccacgct cgtgagggat tccgttttaa ctcgctgtgc 660
ccggctcctc tcaagtatgt cattctaatc ccctga 696

<210> 19251
<211> 267
<212> DNA
<213> A.fumigatus

<400> 19251
tcgtgggtaa aggctaacgg attcagcacc ccgcttctgc aggattggct tggagacgac 60
aaggagaagc gattcaggcg tgaggtccat tttcccaccg gccggttcgg tgaggcgatc 120
gagcaggctc atgctgtcat cttcctggct agcgatgaaa gcagctttgt taatgccgca 180
gacttcgtgg tggacggcgg cttgaccaag gcttatgtga ctccggaggg tcctgccacg 240
gaagcgccta agaaccttgg ctcgtaa 267

<210> 19252
<211> 891
<212> DNA
<213> A.fumigatus

<400> 19252
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cggacagagc caatagttcg cgttcgaacc ggctgctgga cctgcagacg ccggaagaag 120
aaatgcgatg aaaatcggcc cgtctgtggt ggttgcacac gaaacaaact cagctgtcac 180
tggcctgctc acgtatcatc aagacctgtt gaaaatgaca ggggtgcgat accggtgcag 240
acggatcagc actcacgcgg aagtggtcag atggacgagg agaacattat catcccgcat 300
ggcagcccac agtccgttcg aagctcaatc tcacatggtg cctcttcgca ttcgcccttc 360

tcgcctgcag tctctccaac ctcacctgcg cagtcagtgt gcctgccaac tgtatccccg 420
acaggggcga ttggactgga agatcttgac gctgcgtctc tagtgcctat gggctattct 480
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<210> 19253
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<212> DNA
<213> A.fumigatus

<400> 19253
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gagacttttt tcctcgtctc aatcatattt ctcctgattt ctgggttaat acttctcaat 180
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gtcaaagtcg ctggcattga ctgcgatggc atcctacgcg gcaaggtgat ggccaaggaa 300
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gatttcatcg ctgtgccaga tctcagctcc taccgacgca taccgtggga ggacaacatc 480
cctttcttct tggtgcgatt tgttcagaat gagaaaccag tcgctgcaga cggtcggagc 540
atgttaagag caataacaga caagctagcg gaagcgaatt gccaggccat ggctggaggt 600
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<210> 19254
<211> 600
<212> DNA
<213> A.fumigatus

<400> 19254
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acgagggaga gtttgagact tacgtctgaa gctccttctg cacctccgcg acaaaatcat 540
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<210> 19255
<211> 483
<212> DNA
<213> A.fumigatus

<400> 19255
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tactccaatg gctcgcagac ccgcgatatc gccgcttttc tagaaagaaa cgcacccagc 180
gcccttcgcc ccatgaccgc cggcagtttc tcatacagcg cgacacgacc ggtagccttc 240
aagaagtact tttgggatat cttcaacact agtgcacggt tcaactgtgg cattgaggga 300

tggcatacgg agggagggcc gggtgtctac gaagcggtta gtgaactaca tttctatgac 360
aggaacgttg ctaatcagcc caggccctca aagtgtgtaa tgttgccgaa atggcagacc 420
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taa 483

<210> 19256
<211> 945
<212> DNA
<213> A.fumigatus

<400> 19256
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gagcaccttc cctaccccgg ctaccagggt ttccggtacc ccgagtccgg ccccaacgat 180
tacgtacgca agcacaatcc tgcaatcctg tttgactctg tcactcagga tgccaccaga 240
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<210> 19257
<211> 498
<212> DNA
<213> A.fumigatus

<400> 19257
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tatgtgtgtt tactgttcga ctcctttgta aacaagaccc caacaaaatc acaactgacc 120
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<210> 19258
<211> 855
<212> DNA
<213> A.fumigatus

<400> 19258
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cagctccgct cgttcgggcc caagggtagc tgggcagtgg taacaggtgc ctcggatgga 240
ttaggcaagg aattttctct gcagctcgct cgcgctggat tcaacattgt actcgtatcc 300
cggactgcct ccaagctcac cacgcttgcc gaggagatca ccaccaaaca ctccgtgcag 360

accaagacgt tggccatgga ctatgccgcc aacaacgatg cagactacga ggaactcaaa 420
gccatagtag atggactgga cgtcgccgtc ctgatcaaca acgtcggcaa gagccatgac 480
attcctaccc cgttcgcgct gacccccgag gacgagatga cggatattgt gaccatcaac 540
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ccgtacggca tcacggtcga gctggtgcag gcgtacctta ttacctcggc catgtcgaaa 780
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ttgggtctcg cgact 855

<210> 19259
<211> 213
<212> DNA
<213> A.fumigatus

<400> 19259
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gcttggtctg ttcagtcttt cgtcggaaaa ttctctcaat tagctacaat ggtggaaagc 120
gttctcgacg acatctcgca tcggaggttc aacccccctcc ggggatctta cgtcttagtt 180
tctcctcaca ggactaagcg cccttggcag taa 213

<210> 19260
<211> 360
<212> DNA
<213> A.fumigatus

<400> 19260
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cttcgaaacg cactttcctt acagcatggg catccaccag gcgccgctcg agggcaccga 120
cgaggagatc gaagcttcgt acctgcacct gcatttctac cctccgctgc tgcgcagcgc 180
aaccgtgcgg aaattcttgg tcgggtaggt cctctacaat tcgcgccttt gacatatacg 240
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gcggctgcga gattacgtgc ttgcggagga gagctgtaca ggaagaagat ggacgcatga 360

<210> 19261
<211> 303
<212> DNA
<213> A.fumigatus

<400> 19261
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gacacatcat tgataagtga tcccgtaaac agaggacagc aggagagccc ctccaagacc 120
accttgcccg cttatgaccc tgcttgttat ctctgccctg gcaacaagcg cgcacagggc 180
gacaccaatc ccaagtatga gaagaccttt gtctttgtca acgattacag tgccgtcaag 240
gaggagcagg ctccttatag ccctgagagc ggagatagtg cgttctcaaa ttcagagacg 300
tga 303

<210> 19262
<211> 786
<212> DNA
<213> A.fumigatus

<400> 19262
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tgctatgtgt tgacctttc cgcggcccat aacctcacct tggcagacct gtcgccagcc 120
gagatcatcc ctgttattga tgcatggacc gagatctact cagcccatct ctcgcccaag 180

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ttgctggaag actatgccgc cctggaaagc cggaagcagg agcgcgtcgt gtttgagaac 480
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agcaagaagc acaagcgcgc gcttgttgac ctcaatgaga acgagaaggc ccagctggcc 600
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agcatgggca tccaccaggc gccgctcgag ggcaccgacg aggagatcga agcttcgtac 720
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gggtag 786

<210> 19263
<211> 819
<212> DNA
<213> A.fumigatus

<400> 19263
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aacattctcc tgaaatttga gggcctggac ggattaccag aggatgaagt cctcaaagtc 120
ctgggagagc ccgttaaggt cgaagttttc actgagtccg gggagactcc ttctgatcca 180
accgcgccta aatatctcgt ccgcccagtc aagtttcgca atgttccgct gccgtacgtt 240
gtagatgaga ttcttgtgat cgacttcgga gagtcgtacg atgtcacaaa cccaccgcag 300
gagcttggta tccctgggag ttatcgttcc cccgagcttg tcttgaagaa tacaccagga 360
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gacttggggc ctggcgaaga gtttagcaga gagattcctc cggatgagat tgaacaattg 720
gcagacctct tgaagaagat gttaccatat gtgcccaacc ggcggttgac tgcgacagaa 780
gttctagaat acgaatggtt tcgtcgtgat gagaattga 819

<210> 19264
<211> 210
<212> DNA
<213> A.fumigatus

<400> 19264
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gtctatttct gttcaagcag cacaaccggg gtcattattt gtgtcatgaa tatagccgct 120
gtcaatgaca aaagtcctgc cgggtacgat cgccttatgc tggcctcgac caatactgag 180
gtactaaaaa cacgcatcct agcaggataa 210

<210> 19265
<211> 402
<212> DNA
<213> A.fumigatus

<400> 19265
gcagtggggg ggttcgccaa cgtttggttg tgccaggtcc tgcgcaatgg ggtaccccat 60
tatgtggcgc tcaagatact tatggccgat tactctaaag acgactgccc ggagcttcga 120
gtggaacgac ttcgcgcagt cgggttagaa aagcacatct gcctcccgtt cgaccacttt 180
cgaattgagg gtccaaacgg gtcacacctt tgcttcgtgt atcctgtggc gggaccgcgg 240
gtctctctga tagctcatga atttgaagac caggacagaa gcttacggaa aatggctcga 300
caagctacag aggtcatggc cgcattgcat agtcatggta tatgtcacgg aggtaagttc 360

ccacaagcca cactcacatg gttagaactg actggcagct ag 402

<210> 19266
<211> 543
<212> DNA
<213> A.fumigatus

<400> 19266
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ttgacagcca cagcatcaac tgtcctcaaa ggcgccgggt ccgttggcct ggcattgttc 120
tactgggtca ttggattcct catggccggc agctcactgg ccgtctacct ggagttctcg 180
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gcgcagtatc ttttccgact tgcggaggcg cagtccacac cgtggaagct caagggcgtt 420
gctgtcgctt cgtatagcgt tgcagtgcta ggtgagattg cattctttat cgtagtaagg 480
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cgt 543

<210> 19267
<211> 417
<212> DNA
<213> A.fumigatus

<400> 19267
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tcaccgtcgc ataacgatga aactaacaat caaagccgtg tctttaagaa cgccgaacga 120
gtccgaacct gcaactcgct cgtcaccaag acccccggca tgttcgcctc cgtcaacaac 180
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gtcctcttcg acaagggagt tggccttgcc tggtggagga acatggtggt ggccaagaag 360
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<210> 19268
<211> 741
<212> DNA
<213> A.fumigatus

<400> 19268
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ccttggaatg ccgaagacga gcgggatcac gctgctgcag agcgtcgcat ggaatttcac 180
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gatatcagag gctactttgc atggtcgttg ctggataatt taggtgagtt cctggcgaaa 720
attgaagaga atatcggctg a 741

<210> 19269
<211> 189
<212> DNA

<213> A.fumigatus

<400> 19269
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tatcagactc tgaagagaac acccaagaaa tccgctctgc tgctgagacg cattttgaa 120
gagcgaatag gcatcagcac caaaggacag gccccgtcag cccctggggt gttccgagcg 180
gagttgtga 189

<210> 19270
<211> 345
<212> DNA
<213> A.fumigatus

<400> 19270
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ttgacagatg ctctgcctca aaaaccgaac gagccatcct gcaggttcgc tcgccagtac 120
acacagaggg aaatcgtgaa ggatcccagc aattttatca gcgatctatt gtactgggag 180
ggtaaattcc accagaacaa tgtctcgtac aactcgggga atgggatgtc ctacgacggg 240
accaacatcg actttaccac tggcgaaagt acagtcaagc atccttttag cgccgcaagt 300
aaagaggtca gtcatcttca ggcttgttgt tgccgttgtt gctaa 345

<210> 19271
<211> 321
<212> DNA
<213> A.fumigatus

<400> 19271
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gacgaagacg tagaacagct ctgggctgtg aagaagccca tgctgcagag tgttgactac 240
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<210> 19272
<211> 252
<212> DNA
<213> A.fumigatus

<400> 19272
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ggcggagtca ccgatcttgt ccgccagcgg atgaaggccg agggtatata cgaggagttc 180
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tcactgtact aa 252

<210> 19273
<211> 381
<212> DNA
<213> A.fumigatus

<400> 19273
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cccgggttta tagttttcga tcacttggct gacggacgta gcacccctgc cggtgccatt 180
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ccggatcagg tcgttggcga gtggagagat agcacatacg gtatgccact tcaaacaagt 360
aaactacagc ccccattcta a 381

<210> 19274
<211> 1917
<212> DNA
<213> A.fumigatus

<400> 19274
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aagctagaag acctgggcta ctatgcatcg gggatcgaac atcccgatat gccattactc 1620
aggaagacgg aaatagcgcg cgacatgctg cgagtgatta gagaagcgcc cttttggtcg 1680
ctacaagtaa atggggagcc atgtgtatgt ttctattgct tatttatctg ctgtatcttg 1740
ctaaaagccc cgcaggtcga aaaaatcagg ctaattggcg ccagtctgct ggagataata 1800
gaccagtatg aggcttctcc attgtcggta cgagcacgca atgatctttc gatccttcta 1860
gacatcctca ctcgcctgga ttctaaagcc tcagacaccc ttagaaggcc atcgtga 1917

<210> 19275
<211> 687
<212> DNA
<213> A.fumigatus

<400> 19275
gtcaccgtcc ccgccgaaac agcgaaacaa cgtcttactt cctacaccca agccggctac 60
ttccccggcc ccagcgcagg agaatcaatc gactccgacg tcgtcttcca tgccctcgcc 120
ctcgatggct acaataacct ctctcaagtc caagtcatga actcggacga ctgcttccgc 180
cacttcctcc tgaacacaac caaccagcag cagctcacct ccttcatcaa ccaaaccgcc 240
accaacatcc gccgcacatt ccccgccggc ctcaacactc ccgtcggcat gctcatcgcc 300
aacccggcct tcggccccaa cgaagtctac gcccgcaact ggacaacggg cgcctaccac 360
ggcacggtag tctggtcctg gcaactcgca atgatggcca agggcctcga acggcaactc 420

ggccgctgtg acgcgggcca tcagcacgcg cagccagact tttgcgccga caaggtcgtg 480
tacaacaatc ttaggacagc gtataatacc ctctgggacg gcatcgagac caatcaggcg 540
ctgctgagcg aggaggtttg gtcgtttgtc tacagcgatg ggcgattcaa tcccgcaccg 600
ctggggaata tccctcctcc tccgggggtt ggtgcgcaaa ccggtaagcc acgcgagccc 660
atccttttgt atctcaagag gctctga 687

<210> 19276
<211> 186
<212> DNA
<213> A.fumigatus

<400> 19276
tggtctacct tagatggtat tcacattgac atgaaccact tgaacaccgg agaggtcaag 60
tacgtctttg aattgctact catactagtc ctcagtaaca aactactaac caccgtgctc 120
ttacagccta ggtacctcga tgtgaatgag ctgatttcac attgcagatt ttggctggta 180
tattga 186

<210> 19277
<211> 366
<212> DNA
<213> A.fumigatus

<400> 19277
aatagcagaa acttactgac cgggtttgac ggtagtgctg gtatcatcat cgcaggatac 60
gacccacgcc atggcggtca ggtgtactcg atacctttgg gcgggtctct acacaagcaa 120
ccctacgcca ttggcgggtc aggatcaact tatatctacg gttattgcga tgctcactgg 180
aaggagaaca tgacggaaga agaaggcatc aaattcgtgc gtgacgcctt gcaggaggcg 240
atcaagtggg atggcagctc cggaggtgtg attcgattgg tggtgctgac gtctagggga 300
tctgaaagac atttgtattt gccagacacg gagtacactg gacccggctt aaccaacaga 360
tcatga 366

<210> 19278
<211> 1545
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1049)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19278
atttttgttc ataatagaat agtaatcaac ctctctttgc tccttagccc atcaagccct 60
ctatctccca gtcttgcgat cgagactcga tgccctgatg ttccccactt cgcttgttct 120
caatgctttc ttgaggctga ttgttgttcc gccactgttg ctctaggatt cgccattacg 180
cgcgcgattt cttttcaatc tcgccctcta ttttctcttc ggcttgacat gggatcggtc 240
gttctgaatc aaccgcggtc ggatcgaatt gatagctcct acacgatgct gggaggctcc 300
atcaatccat cggaatctgt ttatcggacc tcgtctcacc atacgtcgtc acagttggag 360
accggaagct ccaggtctac gtccgcgacc actaccccca cctcgtccac ggccccgccg 420
tcaacgtctg ccgctggctc tgctcgcctg cactcccacc caccaccata tgatgtgccg 480
gcctacatct cccgtcaatc tcacatcaac tccgttcctt ccacccgggc gtcttcaact 540
accccagggc caacccgcac ccctccccat tcggtctcaa tgagctcgac cacctccaac 600
aacgcacacc atcccgaagc ttccttccag tcgactccat acacctccaa ccgattcgga 660
catgccagcc agacagctac ggagccgaca ctggtcgctt cgtatagtca ctcatcaccc 720
gcgtcaccgc ggctgaggcc gacgttccag tcgctacgct ctcttggagg ctccgaagct 780
agttcgccga gtcgcatcaa agttcgtgac cttactcata tccagagctt cgctagcgaa 840

gagtttttgg cgaagtcgca gaggagccag gcgcccgggt cttggtacca agagcgccag 900
tatgaaatca gttccatgcc ggtcacggat atcattgaga tggtcgcggg gctcctgaca 960
aaaatcacca ccaccaacga cctacaccac gagcatgtcc atcgacatat tccgccaccc 1020
gatagcaccg ctaacctcag cccacaagnt accagcgtcc ttgcctttca tggcaaaaac 1080
gtaccgagta tcactattct cagttactta acgcgtatcc acaaatactg tcccaccacc 1140
tacgaagtgt ttctcagcct gttggtatat ttcgatcgca tgacggagtt ggtgaataag 1200
tgccaacttg agcgcctgca gcgccactgg gaccgcggag caaccgtgca cactgaccca 1260
tccaggtcga gattttctga ttcgtcgatc ggtcatcata cacaagcatc cccaatggtc 1320
actccgccat catcagccgg gataccagcg caggatccaa agagtccatc ctgcatttca 1380
ccttctcttt accctcagga cgagaatgag agcctcgctc atttttcgt cgtcgatagt 1440
tttaacattc atcggctggt catcgcgggt gtaacttgtg ccagtaaatt cttctctgat 1500
gttttctata ctaattctcg atacgcaaag gttcgctacc cttga 1545

<210> 19279
<211> 357
<212> DNA
<213> A.fumigatus

<400> 19279
gctgatttca cattgcagat tttggctggt atattgattg catatagtat ggctatcaac 60
ttcaaggacg gtgttatcct gggagcagat agtcggacaa ctactggagc ttacatcgcc 120
aaccgagtca ccgataaact cacacaggtc cacgatacca tctggtgctg tcgatcggga 180
tctgcggcgg acacacaggc tgttgcagac attgtctcct atcatctcaa catgtacggc 240
atcgtgaaca atgagcctcc cagcacccag gtggccgcag ctctattcca ggagttgtgc 300
tatgagaaca aggatatgct aaggttgata atccccccga gcttgctgat agaatag 357

<210> 19280
<211> 207
<212> DNA
<213> A.fumigatus

<400> 19280
gtgctcggat ggcccctgca cagcatcatt accactgacg aatgcttccc ccgcagcgac 60
cacatttacg aaactcaaca ataccaagcc gaagcagcct ttcttcttcc tgaaggctcc 120
gtcttctatt tcttctgccg cgcgaaggtt ccgttctgct ccccaaggga gtttgcctgc 180
actatgacgt ggaattggcg ctggtga 207

<210> 19281
<211> 642
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (609)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19281
cagcaggtta gcatacattc aatcaaggct aatatccaca tggttgaact taccagcaac 60
gttcatgggc atctcctcga tctgggtgct gtagaactgc tcgatctcac gcatcatgcg 120
gacatcgtca gcagtgacga agttgatggc aacaccctta cgaccgaaac gaccaccacg 180
accgatacgg tgaatgtagt tctcacggtt ggcgggcaag tcgtagttga tgaccaggga 240
aacctgctga acgtcgatac cacgagccag aagatcggtg gcgatcagga cacgggaaga 300
accagagcgg aactccttca tgataacatc acgctgggcc tgctccatat caccgtgcat 360
ggcggagaca gtgaagtcac gggcagtcag cttatcagtg agccagtcga ccttgcggcg 420
ggtgttgcag aagatgacag cctgggtgat ggtgacagtc tcgtagagat cggacagggt 480

gtcgagcttc cactcttcct tctcgacggc gatgtagaac tgcttgatac cttccagggt 540
gagttcctgc ttcttcacca ggatacggac ggggtcgcgc atgaacttgg tgtaacctca 600
aggacatcnc tgggcatggt agcaaacagc aggacgacct ga 642

<210> 19282
<211> 1206
<212> DNA
<213> A.fumigatus

<400> 19282
gaggcaatct tcaggtcgcc cccttcgtgg ttcacatgga gaggaacatg gcgctcgaca 60
tacctcaaca tccctccttc caaagttgcc atattggact gctcaagtct gttttctgat 120
gctcttcatc gtccatttta ttgcacacac atctccttag acacttatgt gagcaatatt 180
ccctcgagaa atcagatcac ccgtcttccg gacctttccc cagaggaatt ccaggcagag 240
tggtccagca agcctttcat tttgacacag ccggtgaagc agtggccggc ttacaagaac 300
tggtccgtag actcactgct tgccaaatac ggagacacag tctttcgtgc cgaggctgtg 360
gattggaaat tgagcaccta cgtggattac atgaggaaca acgcagacga gagtcctttg 420
tatctatttg accgggcctt tgtgtcgaaa atggggctca aggttggtcc gccagaggag 480
gaacctgatg cgacgtactg gcctcctccg tgctttgggg aagacttctt ctccgtgctg 540
gggaatgacc gcccggacag gcaatggctc attattggcc ctgagagatc tggtagtacg 600
ttccacaagg accccaatgc gaccagtgcc tggaacgcgg tcattcgcgg ctccaagtac 660
tggatcatgt ttccctcgtc gtccaaactg ccacccccgc ctggtgtctt tgtttcggac 720
gatcagagcg aagtcacatc gcctctgagc attgcagaat ggctgctttg cttccatgca 780
gaggcgcggc gcacacctgg ctgcattgaa ggtatttgtg gtgaagggga aattcttcat 840
gtgccttcag gatggtggca tttggtcgtg aatctcgaac cttccattgc tattacgcag 900
aatttcaccc cgcgtgcgca tctgactgcc actcttgact tcttgtctaa caaagccaat 960
caggtttcgg gtttcaggaa agatgtgcat aacccctacg agcggtttgt ggaaaacatg 1020
cgcaagactc atccggagtt actccagcag gcgctggacg agttgcagaa aaagtcagat 1080
ggcaggaaac gcaagtggga tgagctggtt cacggaaagg tggcccagga ggacgccgga 1140
gacgcctctg aaggaggggg atttagtttc ggctttggag atgatagcga catagaagtc 1200
ccctga 1206

<210> 19283
<211> 441
<212> DNA
<213> A.fumigatus

<400> 19283
tcctcgtatc aagctaactc ctcgccattg aacttaacgg gcggaacgtc caagacgagg 60
caaaagaaga agggcctccc ctggtccatc gccaagggtt ttgacacttt cctgcccatt 120
tccgaagaga ttcccaaggc gcgcattccc gatccacata atgctttctt gcgcctcagc 180
gttgggtccc agcttcgtca ggcagattcc accggcctca tgctctaccg gatccccagg 240
cagctagcag agatctcgcg cgtcatgacg ctggagaagg gcgatcttgt tcttactggt 300
acccccaagg gagttggaga ggtcaaggcc ggtgacgtga tgaaggcgtc catcgaggtg 360
gacgggaagg agatcgagga gggtagaatc gaggtggagg tgaaagatcg ggagggcaga 420
tatgtgtaca gtgagacgtg a 441

<210> 19284
<211> 300
<212> DNA
<213> A.fumigatus

<400> 19284
accctccttc tctctcctaa accaagcccg aacctcattc agaacctgcc tctgtatcga 60
cttccccaat tcagccagtc ccgtctgctc cctgcatttc cgttcgatac tatcgaggct 120
ctctctcaag tggccattct cacgctcaat gacatcaagc ctactagaca tcccctccaa 180

cctagtttca agtctgtccg tgatgtcctt cagcctctgg gcgcatatat cgtgattggt 240
gttggctgtc tgtgcctgtt ctcgtacttc attcagttgc tgcttcagtt cagcgattga 300

<210> 19285
<211> 213
<212> DNA
<213> A.fumigatus

<400> 19285
atgcctgata ttacatcttt gcagagtcac ccactggagg agaccgattc tcattctttc 60
tcaccggatg acagcttcca ggaagatcta actggtcatg atgcaatccc ctgtcatccg 120
gctaggcgta aaagccgagt ggcaacgctc ttcttgccaa tgagaatctc cgtcatgcga 180
ctgggacgtt caatcttctg ccggatgagc tga 213

<210> 19286
<211> 516
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (464),(466)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19286
caagtattga cgatatcttc ccaggtgtct acgcctacgg tttcgagcgt ccctctgcta 60
tccagcagcg tgctatcctt cccatcatca agggtaggtc ttcctattac ggcctatgaa 120
agtaccgtca ttaatctggg aatcacaggt aacgatgtca tcgcccaggc tcagtccggt 180
accggaaaga ctgccacttt ctccatctcc gctctccaga agctcgaccc caacgtcaag 240
ggatgccagg ctctcatcct tgctcccacc cgtgagttgg ctcagcagat ccagaaggtc 300
gttgttgcca tcggtgactt catgaacatt gagtgccacg cttgcattgg tggtaccaac 360
gtccgtgagg aacatgaagc tcttcaggag ggtcccaagg tcgttgtcgg tactcccggc 420
cgggtcaagg acatgatcca gcgccgtgtc cttcgcccga caancntgaa gatgttcatc 480
ctcgacgagg cgaatgagat gctttctgtg agttag 516

<210> 19287
<211> 579
<212> DNA
<213> A.fumigatus

<400> 19287
ggttacacca agttcatgcg cgaccccgtc cgtatcctgg tgaagaagca ggaactcacc 60
ctggaaggta tcaagcagtt ctacatcgcc gtcgagaagg aagagtggaa gctcgacacc 120
ctgtccgatc tctacgagac tgtcaccatc acccaggctg tcatcttctg caacacccgc 180
cgcaaggtcg actggctcac tgataagctg actgcccgtg acttcactgt ctccgccatg 240
cacggtgata tggagcaggc ccagcgtgat gttatcatga aggagttccg ctctggttct 300
tcccgtgtcc tgatcgccac cgatcttctg gctcgtggta tcgacgttca gcaggtttcc 360
ctggtcatca actacgactt gcccgccaac cgtgagaact acattcaccg tatcggtcgt 420
ggtggtcgtt tcggtcgtaa gggtgttgcc atcaacttcg tcactgctga cgatgtccgc 480
atgatgcgtg agatcgagca gttctacagc acccagatcg aggagatgcc catgaacgtt 540
gctggtaagt tcaaccatgt ggatattagc cttgattga 579

<210> 19288
<211> 255
<212> DNA
<213> A.fumigatus

<400> 19288
tcggcccgac atgacctccg aggtacgggc acctttaggg ccacgaacgc aatttggagc 60
atcatcatcg caatcgcacg cgttcttcct ttatgttcag taacttttct ggctgtaccg 120
cgagctgtca cagctcgtcc agcaaatatg acttccagcg tagatgccaa attacttaaa 180
cagaccaagt tccctcccga gttcaatcgg aaggtggata tgaaaaaggt caatattgag 240
gttatgaaga agtga 255

<210> 19289
<211> 279
<212> DNA
<213> A.fumigatus

<400> 19289
ccagatatca aatctctaca aatccagctt actggctttc tggataagga tacgcccaag 60
ttctgtaaag atctctggtc actatgtctc agcgctcaag agaaccccca aggcgtcccg 120
aaggagctgc tggaagctaa gaagctcgag cttatacaag agaaggtagc gctgatacat 180
tgtttgaatg gttttaaacc tggtgctgat actgtttctg ctagatcgcg gccgagaaag 240
cagcggaaga agcccgccgc aagagggagc aagagctag 279

<210> 19290
<211> 195
<212> DNA
<213> A.fumigatus

<400> 19290
gccgcgagcg atttcgcgat ccgccctcaa gacgagaatt tgattcttac gttccctccg 60
gttcgcgccg gggccgtcgg ccttcaagat cgcccagtgc ctctccctcc cgctctcgtt 120
ccgtttcctc atctcgatcg ccaccccgtc gacgcctacc tagcagagac agatacaaac 180
gtcgccgctc cgtga 195

<210> 19291
<211> 195
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (14),(28),(89),(141)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19291
gttagctttg ttgncacatg tttcgccngg catcttttct acgcgggtat acagcgtggt 60
ttcaccgagc aaatttacga catcttcang ctccttcctc agtctactca ggtcgtcctg 120
ctgtttgcta ccatgcccag ngatgtcctt gaggttacac caagttcatg cgcgaccccg 180
tccgtatcct ggtga 195

<210> 19292
<211> 210
<212> DNA
<213> A.fumigatus

<400> 19292
gaaatctctc tcgtgagagt cgtggttcta gtctctaaaa gtatctctaa ggggctttca 60
ttactctcag atctctgcga ctacaacccc cactgggacc tgttgtcgct aagaaaactt 120
ccaagttcac aaccaacacc ccactgtttc atcgatcgca gcttttcgcc tgtgatcacc 180

acctacttca gtcgcaatca tggcttctaa 210

<210> 19293
<211> 213
<212> DNA
<213> A.fumigatus

<400> 19293
gatcaccgac tccttcgatg ctatggacct gaagcccgag cttcttcgcg gtatgtttca 60
ctcgtctcaa cgagatggcg gggtatgtgt gtagcaagta ttgacgatat cttcccaggt 120
gtctacgcct acggtttcga gcgtccctct gctatccagc agcgtgctat ccttcccatc 180
atcaagggta ggtcttccta ttacggccta tga 213

<210> 19294
<211> 549
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (473)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19294
atcgcggccg agaaagcagc ggaagaagcc cgccgcaaga gggagcaaga gctagcacgc 60
gaaagggagc tggaagagat ccggcgaaga gaacgtttcg atcgcaatcg gggcaggcga 120
ggcggtggtc gtggaggccg agactttgat agacggccat acagggacaa ccgatcgcca 180
cccaggcgac taagccgcga gcgatttcgc gatccgccct caagacgaga atttgattct 240
tacgttccct ccggttcgcg ccggggccgt cggccttcaa gatcgcccag tgcctctccc 300
tcccgctctc gttccgtttc ctcatctcga tcgccacccc gtcgacgcct acctagcaga 360
gacagataca aacgtcgccg ctccgtgagt ggctctgttt ctccagaaag aggagactac 420
aggcgaccga gaagacgcaa cccagactac ggtgatcgag ctagatgcat ttnccgcagt 480
gattcatcgc gctcacgtac tcgcagaagg tcttcaccac ggggctggaa ggatcgagag 540
gggctctag 549

<210> 19295
<211> 270
<212> DNA
<213> A.fumigatus

<400> 19295
ataggagtta cctgtcagga tcgtcacaaa gcccaaccac atctagccaa ctgcctagat 60
tacaaaaaag ttctgcccaa ctgggttaat cgatacaacc ctggcgcgca gagaagtaaa 120
aatagtatct cgattcgtaa ggtgtcagat gtccagggag cgtctatgag caccgtctat 180
tgcagaacca acaccttaga ctccattaac cagcctgagt atcagtcgca acacactacc 240
atctgcacct ccaagccagt gatgagatag 270

<210> 19296
<211> 189
<212> DNA
<213> A.fumigatus

<400> 19296
gcagtggcag atctacgaca taagtacgtc aagaaccagg cggcctacaa cacccgagct 60
actgatgttt tgagtaccat gggtctgact cgcgcagaat atcgagtgca gagccattta 120
ttgccttgcc caagtctctg cgcaagagtt cgacccgcca actcgccttg cagcagtggc 180

ttcgcataa 189

<210> 19297
<211> 261
<212> DNA
<213> A.fumigatus

<400> 19297
atgtggttgg gctttgtgac gatcctgaca ggtaactcct atttatgtta ctttgttgtt 60
ggatgggata tatatcttgt tttcactcca ggctcgaggc acaccagtgt ctattatgca 120
cagttgcacg ggcatctgga tcgttcaagg agcgtattat tgcttattct atctaacctg 180
ttcatgccca tgcctttaac agctggtatt aaaatctatt cagtttccgc tgatcaatca 240
aagaacgaag cgccaaaatg a 261

<210> 19298
<211> 957
<212> DNA
<213> A.fumigatus

<400> 19298
cagatgctca acgatgcctc ccttttcagc ttgtggagag gggatatgat gtctggcttg 60
gaaacaatcg cggcaacaaa tattccaaga agtctatcca ccactctccc ttgtccgccc 120
aagttctggg gcttttcgat ggacgagttt gcgttctacg atatccctga cagcattacc 180
tacatcctca atgcgacagg acaggcgtcc ttgtcgtaca tcgggttctc gcaaggaaca 240
gcacaggcgt ttgcgactct gtcgattcat ccgttgctca atcagcaaat agacgtcttt 300
gtggcccttg cacctgcaat ggcccccttcg ggactgcgga atcgtatcgt ggactcgctc 360
atgaaggctt caccgaactt tctgtttctc ctctttggta gacgcagcat cctcagttcc 420
accactatgt ggcagacaat tctctacccg cccatctttg ttcgcataat cgacacatct 480
ctttcaattc ttttcggttg ggagggcaag aacattagtt ggtatcagaa actggcaggt 540
tacctgcatc tctattcgtt cactagcaca aagtcggtgg tgcattggtt tcaaatcatg 600
cggcacagga ccttccaaat gtacgatgat gaagttcatg ctccgttcag cgttgtggcc 660
agtcaacggt tttacaaacc ggtcaagtac cccaccagga acatcaagac cccgattgtt 720
cttctttatg gtggaagtga cagtctgatc gatatcgggg cgatgttgcg agagctccct 780
cgggggacgg tggccaagtc aattccatgc tatgagcatt tggatttcct ctgggcaaga 840
gacgtggacc aacaggtgtt tggacacgtt ttcgaggctc ttgagcggta cggtccggga 900
gaatatagcg ggaagaaagg gcacagagca gccaaaccga ccaacggctt gatataa 957

<210> 19299
<211> 186
<212> DNA
<213> A.fumigatus

<400> 19299
gtagccagct taggccttca tctctatact cccgtcattt ccctcacgtt ccctccaccc 60
ggtgtatcag aggggttccc tgtcaaggtc aatttgaacg tcacggatga gtttccatca 120
gtaatgatca atctggcatt cccatggttt tcttgccgcc gtctgtttcc tatcctcacg 180
gtgtaa 186

<210> 19300
<211> 825
<212> DNA
<213> A.fumigatus

<400> 19300
acatgtccat atgctctgct ttgtacatct caattgacct cttggccagg ctatggaccc 60
tcccttaccc ccaagaatat cattgatttc atgaacaagg acggtaacgt cctcctcgcc 120

ttgtcgggca agtccacaac cgccagcgct atcagctcgc tgctattgga gctcgatctc 180
catctccctg tcgatcgttc ctctgtcacc gtcgatcact tcaactacga tacactttct 240
gcctccgata agcatgatgt tctgctactc caccgaccag gcaagttgag gtccgatacc 300
aaggctttct tagatggcga gggcgttgta gcatttccca gagccgtccc ccacaccctg 360
ggcgatgcaa accctctcat tgcgcctatt ctgcgagcgc ccgccactgc gtatagttac 420
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<210> 19301
<211> 465
<212> DNA
<213> A.fumigatus

<400> 19301
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cgtcatttcg ctcataacga gtaccccga agctggaaaa tcagcggtgg atgggtctgg 360
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tcagcgcctt ctgccgccgc actgaacaca aagaagacac aataa 465

<210> 19302
<211> 516
<212> DNA
<213> A.fumigatus

<400> 19302
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gttgcgcagg cctccaactt tgcagacatt tgtgccattt tcggatatga ggcggaggag 180
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aacaaatatt ccaagaagtc tatccaccac tctcccttgt ccgcccaagt tctggggctt 480
ttcgatggac gagtttgcgt tctacgatat ccctga 516

<210> 19303
<211> 189
<212> DNA
<213> A.fumigatus

<400> 19303
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atggtccagc ggcacacccc gcgtgaatgc ttgagcactc ccctcgtcga tgaactgcct 120
atgaaatgcc aacagttgcg gaaaggattc agcgagtgca agtgggtgga acggatatgc 180
gtgctttaa 189

<210> 19304

<211> 198
<212> DNA
<213> A.fumigatus

<400> 19304
gtggttctca gtttacttac acccattggg gcgcttccac ggagcacgtt ccacatccct 60
tccacgaccc tcacctacaa tgtaacatat ttggatgcta atgagcctgg cgactttctc 120
caggagatgc actggcgcaa tgcttgcaag aatcagattg catcatggtc cagcggcaca 180
ccccgcgtga atgcttga 198

<210> 19305
<211> 369
<212> DNA
<213> A.fumigatus

<400> 19305
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attccctaa 369

<210> 19306
<211> 204
<212> DNA
<213> A.fumigatus

<400> 19306
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aagtacgtat gcgattctca tatcaaatac gaaccatggg ccacgattaa ctcatccacg 120
agcgcctgtc aagcttgcga caatgctcgg tgtaattaca ttaccattta catacatacc 180
tacaagtgga gggagaactc ttaa 204

<210> 19307
<211> 471
<212> DNA
<213> A.fumigatus

<400> 19307
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gacagacttg gagcagaaga tagcaggctg agccggggtt acagagacag aggagaccgg 180
ccacgatcac cacgaaggga ccgagactca gatcgataca gagatagtta cagggacggc 240
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gtcaccgatc gtctcggaac taaaggctgc aataccatgc ctggcatcag atcctatcag 420
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<210> 19308
<211> 1995
<212> DNA
<213> A.fumigatus

<400> 19308

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agaatgggcg gcaaatatgt tcccgtcatg cagaagcgga ggacagaacc cgtggaggtt 1920
cagaacgcca ggtggcttgc atcaaagcag cgaaaagttg ataaggcttc ggagccagcg 1980
catggggacg attag 1995

<210> 19309
<211> 222
<212> DNA
<213> A.fumigatus

<400> 19309
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atccttcagc caactcccgg ttacaaacaa aagggatttc tgaagaaagg cttgcctaaa 120
ttcaagatct cgccctcgga ggaaatccag cagaagttga aagaagaaat actcaaccca 180
atggcaaaga ttgggcacca cgtgagtgtc ttcatgccat ga 222

<210> 19310
<211> 207
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (136)
<223> Identity of nucleotide sequences at the above locations are unknown.

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ccgacggccc aagaantacc ctccgggacc tcctacctta cctatcattg gcaacattca 180
tcaggtgagt ttacatactg ttcatag 207

<210> 19311
<211> 1266
<212> DNA
<213> A.fumigatus

<400> 19311
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ttgtga 1266

<210> 19312
<211> 1575
<212> DNA
<213> A.fumigatus

<400> 19312
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gtatgttgct gtcttcatct gctacgctct cgagcatccc gactcccttt gcctccgggt 180
cccacccttc tctccagacc atttcgcgaa aaagatatcg cgaccacatt tcagaaatgg 240
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<211> 525
<212> DNA
<213> A.fumigatus

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ccacactgcg ctgcaaaact tcaagcatat ttggcacctc catga 525

<210> 19314
<211> 1275
<212> DNA
<213> A.fumigatus

<400> 19314
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<210> 19315
<211> 279
<212> DNA
<213> A.fumigatus

<400> 19315
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<210> 19316
<211> 291
<212> DNA
<213> A.fumigatus

<400> 19316
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aagcggagtg cgttgtactc gcaccgacag gagatgtaca tcggccaaac gctatgcagc 240
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<210> 19317
<211> 189
<212> DNA
<213> A.fumigatus

<400> 19317
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<210> 19318
<211> 4260
<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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tactcccacc acaccgacag ccacgacgct atttggtact gcttcgccgg ccaagcctgc 180
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<211> 246
<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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cctcctgtca actcgaagat tcctccttta atacaaactg tattgggata tgatatcgaa 180
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<210> 19322
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<212> DNA
<213> A.fumigatus

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<210> 19324
<211> 216
<212> DNA
<213> A.fumigatus

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accacggggc tggacggatc cccgctcaac ggacta 216

<210> 19325
<211> 591
<212> DNA
<213> A.fumigatus

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<211> 543
<212> DNA
<213> A.fumigatus

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<211> 381
<212> DNA
<213> A.fumigatus

<400> 19327

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<211> 462
<212> DNA
<213> A.fumigatus

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<210> 19329
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<212> DNA
<213> A.fumigatus

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<210> 19330
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<212> DNA
<213> A.fumigatus

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<210> 19331
<211> 1047
<212> DNA

<213> A.fumigatus

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<210> 19332
<211> 564
<212> DNA
<213> A.fumigatus

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<210> 19333
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<212> DNA
<213> A.fumigatus

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<210> 19334
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<212> DNA
<213> A.fumigatus

<400> 19334
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<210> 19335
<211> 372
<212> DNA
<213> A.fumigatus

<400> 19335
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tatctcttgg tgggtggttt gaaagggatc tgcggtagtc ttgccatcca tttagcctcc 120
cacggggcca agaacattgc cgtcatgtcc cgcagtggtg gtggagacca ggtgtctcag 180
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<210> 19336
<211> 282
<212> DNA
<213> A.fumigatus

<400> 19336
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ccatcacagg tcggaaactc gacatcctcg cggttcattg tcgagagctg tgttctctac 120
agtagcatcc accaatatcc aacaatgtgt ttacaatgtg tacgaaaatg tggaacaaga 180
ccagccgctc cgtcgtctca tatcaacatc atcctgtcat ccgaacctag cctaatttcg 240
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<210> 19337
<211> 1503
<212> DNA
<213> A.fumigatus

<400> 19337
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tcagcgagcg gcaagtgtca caccttcgat gctaaggctg acggatactg ccgcgcggag 240
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tga 1503

<210> 19338
<211> 432
<212> DNA
<213> A.fumigatus

<400> 19338
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gggctcaaag aacaggcacg ctttgccttg gaatgtgctc atcgcaccgt cgattatttc 180
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tttgtaagtg gtgcaacaat gcctcctgaa ggtcctactt caactgatta tattgcctca 300
ggccatgggt gccatggaga attggggtct ggtcacgtat cgtacgaccg cagttctatt 360
cgaagaggga aaatccgaca cccgctacaa gaaccgcata gcatacgtcg tcgctcatgg 420
tgcgtttctt ag 432

<210> 19339
<211> 351
<212> DNA
<213> A.fumigatus

<400> 19339
ctctttcaaa aggatccgtg gatccgaaag attggctttc ctgttctcac cgtggcagaa 60
gagccagggc aaatcagcat tcgccagaac aggtttcttt caactgggga cgccaagcct 120
gaagaggacg agacgacatg gtggattccg ctaggcatca aatcaggacc ccggctggcc 180
gacgtaaata cacgcgctct tgtctcgaaa tccgacacta atgccgggcg tcggtcaaga 240
ttcattctac aaaatcaaca aagatctgtc aggcttctac cgcacgaatt atcctgccga 300
ccgtctagcg aagctgggcc aatctttgga cctgttaagt accgaagata a 351

<210> 19340
<211> 939
<212> DNA
<213> A.fumigatus

<400> 19340
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tatatttatt ccagggtttg gtcacagatt tcgtcttctg tcgcaaatct gcgctctgtc 120
ttttcgcaga atgactcagt agctgcggga ttgaagaaat tcacactcgc attggcatct 180
cccgccgccg aaaagatagg ctgggaattc aaggccgacg aagattatct cactgtgcag 240

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aaggaagagt atatcaagac cgactcggtc gatggcaagg agatttgcct cgccgcgctt 540
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catcttctgt gggagtacat gaagagaaat tgggatgccg ttgaagcccg actttcggcg 720
aacaacgtcg tcttcgagcg ctttgtgcga atgggtctgt cgaaattcgc agaccataac 780
attggggcgg atatcgcttc cttcttcaag gacaaggata caagtcccta tgaccgcgcc 840
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ctggttttgg agtggcttca gtctcatggt tatgcttga 939

<210> 19341
<211> 216
<212> DNA
<213> A.fumigatus

<400> 19341
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ctcatcggag actctggcgt cggaaagtct tgcttgttgc ttcgattcgc cgatgatacg 120
tatacagaga gttatatctc caccatcggg gtcgattttg tatgtacccg tcgcaaaggc 180
ataccgttga gcatacaggc accttcgcag tactga 216

<210> 19342
<211> 279
<212> DNA
<213> A.fumigatus

<400> 19342
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catggcatct gtgttgttta cgacgtgact gacatggact ctttcaacaa cgtgaagcag 120
tggcttcagg aaatcgatcg ctacgcaaca gaaggggtca acaagctgct cgttggtaac 180
aagagcgata tggaagacaa gaaagtcgtg gagtacaccg tagccaaggt tcgcgtccaa 240
ccatgcctca gtccgtttag ctttctcatc ctaacatga 279

<210> 19343
<211> 495
<212> DNA
<213> A.fumigatus

<400> 19343
aatccactga cggcgatcgc caaatttctt actttaggta cggaatccgc gaaggcgtct 60
aaaatcacgt atgacaaaaa gtcagagcga gtgtctttta ttttctctca agaaatatcg 120
ccttcagaca ttgtgctatc tattggcttc accggcacta tgaacaatgc catggctggt 180
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gacttctact acatgcttag tactcaattt gagtcctgtg acgcacgaag agccttccct 300
tgctttgatg aaccaaatct taagtccact ttcgactttg agattgaggt tcccaaaggc 360
caaactgcct tgagtaatat gccgatcaag tcagaacgag acggtagtaa gcccgacctc 420
aagtttgtgt cctttgaaag gaccccagtc atgagcacct atgtcagtac aaatacctta 480
gtccttatct gctaa 495

<210> 19344
<211> 267
<212> DNA
<213> A.fumigatus

<400> 19344
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ggtgccatgg agaattgggg tctggtcacg tatcgtacga ccgcagttct attcgaagag 120
ggaaaatccg acacccgcta caagaaccgc atagcatacg tcgtcgctca tggtgcgttt 180
cttagtttga ggcataatga ttgcgtgtgg ctattttcta agactgaacc gcagaattgg 240
cccaccagtg gtttggcaat cttgtga 267

<210> 19345
<211> 270
<212> DNA
<213> A.fumigatus

<400> 19345
gctgaagggg tgcaacaagc gtttcagctc gattccttgc gcgcatctca ccccattgaa 60
gtccccgtaa ggaacgctct agaagtagac cagatttttg accatatcag ctatctgaag 120
ggaagctcgg taattcgcat gctgagtgat catcttggtc aagaaacttt cctccgtggt 180
gtggccgact acttgaagaa gcatgcgtat ggtaagtcag gcttgagggt ccgtctgcag 240
aagaaagctg ctgagaacga tgtcaggtaa 270

<210> 19346
<211> 291
<212> DNA
<213> A.fumigatus

<400> 19346
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tacaaaatca acaaagatct gtcaggcttc taccgcacga attatcctgc cgaccgtcta 120
gcgaagctgg gccaatcttt ggacctgtta agtaccgaag ataagattgg cctcatcggt 180
gatgctgctg ctctcgctgt atccggagag ggaactagtg ctgcattatt aactctactg 240
gaaggattta agagggagga aaactacttg tcagtgccga gcatatttta a 291

<210> 19347
<211> 195
<212> DNA
<213> A.fumigatus

<400> 19347
gaattcgccg atagtcttgg aattcctttc cttgaaacct cagccaagaa tgcttccaat 60
gttgagcagg ctttcttgac catggctcgg cagatcaagg agcgcatggg acctgccact 120
gttaacaaca agccgactgt gcaggtcggt cagggtcagg gtgttcaatc tggatccgca 180
ggcggttgct gctaa 195

<210> 19348
<211> 201
<212> DNA
<213> A.fumigatus

<400> 19348
catcgtattg tacgagtaca gtatttctgc tactattgtt atctaggtac cttaggtaga 60
cactttctga tcaagctttg tatggttgac actgatacta tcatcgtacc ttacttgact 120
aacaatgcct ctgagaatca cccatatcca tctcttgacg gctctgtacc tgatcagcta 180
ttgactgatc tagtattctg a 201

<210> 19349
<211> 357

<212> DNA
<213> A.fumigatus

<400> 19349
tcattgtcgc cttatagact tctaagagat acaactccat tgcaacgtgg tataatccga 60
catctcatct tgattttgga tttgtcccag tctatggccg agaaagatct aaggccgacg 120
cgataccttc tttccctgag atatgcacaa gaattcgtgc gggaattttt tgagcagaat 180
cccatatccc agcttggtgt gcttggcttg agggatggtc ttgcaatccg ggtcagtgat 240
atgagtggca accctacgga gcacatcagt gctatacaag ctctgaggga tcatgacccc 300
aagggccttc ctagcttgca gaacgggctt gaaatggcgc gtggtgcttt attgtga 357

<210> 19350
<211> 819
<212> DNA
<213> A.fumigatus

<400> 19350
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tctatccttt cctctgatcc gggcgatata catcagacga tcaccacgtt gataaatgac 120
aagatcagtg tcaggattgc tggtttggcc gctcaggtgg ctatctgtcg tgaactctgc 180
tctaggacta atgcaggcga cgacaccaca tatggcgtgg cgctcaacga gcaacacttc 240
cgtgaattaa tgatggatgt aacgacaccc cctgtgacat attcccaaaa aaaagccacg 300
agctcccttt tgatgatggg gtttccgtct cgtactgtgg agacgtgtcc ctctctgtgt 360
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gcacgatctt atcatcacct gtttccgctc atgaactgga ttgaggttcc atggcaacgt 540
gcctcacgga gtttgacatg ctttgcctgc ggcatatatt tccctacggt acctcctaaa 600
gatcagtggc aagctacgga gtcccaggca aaagggatga gtgtcagcag tcgctatgag 660
tgtacagtct gcaaaaatca cttctgtatt gattgtgatc tctttgctca tgaaattgtg 720
cacaattgcc caggctgcca aagcgggatt agtgggctag ccattgctga ccggcctagg 780
ggtcagactg gcacagagga aatggacacc tcaacataa 819

<210> 19351
<211> 228
<212> DNA
<213> A.fumigatus

<400> 19351
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aacagccaac cagccaaccc aggttgcaaa gccttcgttc agccaaagct cgttccacca 120
gtccatagtc acaagattgc caaaccactg gtgggccaat tctgcggttc agtcttagaa 180
aatagccaca cgcaatcatt atgcctcaaa ctaagaaacg caccatga 228

<210> 19352
<211> 309
<212> DNA
<213> A.fumigatus

<400> 19352
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ctcttcgagg agaccatggc tgattctgac gaagagtacg ttggcgaagt ttctgacgaa 120
gagaacgatg tcaacggtat ccgatatgcc cgggaaacgg tgcctgcatc ccgtcctaaa 180
cggagaaggc agcgccgggg tgctgaatgg gaggtttcga ggacttggga gaccttggtt 240
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aagaggtaa 309

<210> 19353
<211> 198
<212> DNA
<213> A.fumigatus

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cttcttgtgg agggtactta tgttcacgat gcaatagcaa agtctgtggg ctccctgctg 120
aatgcccctc ttgcggtctt acacttatac tttcaacaca tcttgcacga tcttatcatc 180
acctgtttcc gctcatga 198

<210> 19354
<211> 411
<212> DNA
<213> A.fumigatus

<400> 19354
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gagcccctgg gaaccagggc gctatcgcaa aatcacctgt gtccaaaaat atcaatgcct 120
tcgtcttcat catcgtcttc ttctgggtct ccagaatcgg cttcgtcgct tgccattgat 180
tcgccatctg ttgaatcgtc gctgtcatct ccttcaccct caacctccga ggttccctcg 240
gttgattctg ttcctcggtc gaggaagccg tatttgtact taatattcgt tccccacaaa 300
cgaagattac caccggcatg gtcattacta tattttccag caagatcgcc gaaaaaaggt 360
agagtcgact tcgatctgtt ggattcgcgg tctggaggca gtccgaaata a 411

<210> 19355
<211> 198
<212> DNA
<213> A.fumigatus

<400> 19355
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tttttcctca ttgctacatt ggaggtcccg aatagcgtgg atcttctttc tcaaaactcc 120
cattccgtcg tcctccggaa gcaagaactg gtcaccaatg tcatcaagat tgtcatgact 180
ggcagaataa tgatgtga 198

<210> 19356
<211> 363
<212> DNA
<213> A.fumigatus

<400> 19356
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aacaaggaag gacaaaaggc tggctatcct ggtcatccag aaattgaact ggcccttctg 180
cgcctgtata aagtgacaca agaccctgag caccttcgtc tggcccgttt ctttcttgag 240
gagcgtggta atccctctgg cggaaaggaa cggcggcatt actacgacgt ggaggctgag 300
gtccgaggcg agcgtaagca tgaagtgccc gaagcctatc cagccgcgag aagctattgg 360
taa 363

<210> 19357
<211> 375
<212> DNA
<213> A.fumigatus

<400> 19357

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gttgtcttca tgcgctgtgg acatagtatt catcaaaaat gcctttctga gtactccaag 180
agttcttacc gatgtcccat atgcagcaaa accattgcca atatggaatc gactttccgg 240
aacctggatc gcacaatcca gagtcagccc atgcccgcag aattcaagga tactagcgca 300
ctgattcact gcaatgattg tggtgcgaaa tcagttgtcc gatatcactg gttaggtttg 360
aaatgtgaca tgtaa 375

<210> 19358
<211> 630
<212> DNA
<213> A.fumigatus

<400> 19358
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tccacctttc acggtacgga agaagaagcc tccatttcat tgcctctggc ccagttgcgg 180
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gaaggcattg atatttttgg acacaggtga 630

<210> 19359
<211> 471
<212> DNA
<213> A.fumigatus

<400> 19359
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atggaatatc cgcaggaaag cttcagagcc acgactttcg ctccggactc cttttgggcc 120
cagcgccgac aagttgttcg atcccagaca ctgcggcacc agctgcagat gctgaaggac 180
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<210> 19360
<211> 354
<212> DNA
<213> A.fumigatus

<400> 19360
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gagccaagca gtgatgttgc gaacaagttc gttcccgctt tgcatcgact ctggtcgaac 180
atgattgaga aaaaatccta tgtgactggc ggtattggcg ccatgaaaca gtgggagggt 240
tttggtattg attatttctt accccatgga acggacgagg gtgggtgtta tgcggaaact 300
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<210> 19361
<211> 1314

<212> DNA
<213> A.fumigatus

<400> 19361
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acagattctc atccacctta cgatgacgac ctagccgatt cgctaccaat tacacaaagc 180
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gatcatgaga cttcggcgag gggtactcct tccgtacctt ccccaccgcc gccgtctgaa 300
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<210> 19362
<211> 318
<212> DNA
<213> A.fumigatus

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acaacaatgg cgtcccgccc taccgtcact atcgccacgg ctgatggcaa gcccagcggg 180
gctactctgc ccttgcctgc tgtcttcact gcgcccatcc gtcctgatat tgttcagtat 240
gcctaccgca atccagaaat tccagggaga agagaggcgc gagaaagggg aatggaggag 300
agaacatcat cgggctga 318

<210> 19363
<211> 183
<212> DNA
<213> A.fumigatus

<400> 19363
ctctgtgatt gtaggcaggt tcacaccggt atggcgaaga acaagagaca gccttatgcc 60
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ttgcttgatt gggggggaggg ggagcgattg ggatgggagg ttttcacaaa atacttatac 180
taa 183

<210> 19364
<211> 1287
<212> DNA
<213> A.fumigatus

<400> 19364
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tacagcgact cgagtctcaa caattcccct ctcgctgctg acggaagtga cttcccgtgc 180
aagctccggg acaacgcctt cgtgcctcct tcgcaggaga ccatcgctca gatcggtgag 240
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<210> 19365
<211> 780
<212> DNA
<213> A.fumigatus

<400> 19365
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tccaagacct tcgagaatgc cgccattacc aagaccaagg ccgccattgc cctgctcaag 180
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cgcctcaacc cttacgccgc tgctttctcc aaggagaagc tgggccagaa gcctgttgag 720
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<210> 19366
<211> 543
<212> DNA
<213> A.fumigatus

<400> 19366
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acggttgcac taccaaagag ggcgttgaca ttcgcttccc cgacccggga gatgttgtcg 180
aacacgacgg aaacccgagc aacctccagc ccgctggtga agctgcatgc tctggtactc 240
ccgcgtggac cgtcagcggc ggctctggct ctccgtccac cccttcaacc tcttcttcca 300
cccctgctgg taccagtgcc ggcgtcagcg tcagcgtcgg cgcaactgtc ggtgctactc 360

ccaccgctga gcctgaatcc agcagcagcg agcctgccga gtctgaaggt gctcccggag 420
tcttcgctcc cacttcggct actgtcttcc cttcgacgcc tacggcgtcc gcagcaccca 480
cgtcttcctc ttccggtgct ggctccgagt ccgattcctc ttcctcaagc aacggagctt 540
taa 543

<210> 19367
<211> 279
<212> DNA
<213> A.fumigatus

<400> 19367
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gctgcgttcg gtaaccagtg ccgttccggt cgtatgttcg ctcccaccaa ggtctggaga 180
aagtggcacc agaaggtcaa cctgggacag aagtatgcaa ttctttctac gagtcgagcg 240
gttggagaaa agacgctcga cggagatagt tgggagtga 279

<210> 19368
<211> 501
<212> DNA
<213> A.fumigatus

<400> 19368
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tctgatatcg tcatcctcga tattcccact tcgacctgga ctcaaccgga aattcgtgga 180
caaatcccgc ggggaagggc tcgtcatgct gctgtcattc atgacgagaa gcttttcatt 240
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aaaacatgga cctggtcccg gagttggaga ttcacagctc gtttcgacca cactgcctgg 360
gtttgggggg accgtctttg gatattcgga ggccttgacc cggatatgga acgcacaaca 420
gatatttggt ggcttgatct caagggctcg ccgtttcttg gaactccgtc ttcacaaggt 480
accgtggatt ccctggaata a 501

<210> 19369
<211> 1134
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (137)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19369
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cgaaagaagc ccattgcccc aggagctatc tcttgtcata agttccgatc cggtccttat 240
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ctgatcactc cttccgaaac agtccggacg tatgagtgca agttatcggc tttggagctt 360
gacactcttc gttggcagaa actagctgat gggcaagaga ttttcaagcc cgggtaccgc 420
tggcattatt gtacagtcga cgctagtggc accaaagcct ggctgctggg atgcagcctt 480
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tccgctgtct tcgaccaacc tccagaatcc ggcagtgatg ctgactttat catcaccgca 720

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cggccggcgt tcctgcccgc gaatgctcct acctcgcctc ctattcacgt acatcgcatc 840
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ggtatgctcg tcatggccaa cctgtatgac atgccaaagc tgcgcctgct cttgcgtaaa 1080
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<210> 19370
<211> 1893
<212> DNA
<213> A.fumigatus

<400> 19370
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ccatctcctc acgcaagaag agcgagtgtg gcatcgaatc attcatctcc cttcacgcct 180
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tcaaacattg cgaggacgcg caagtcacca aggcatcttg agcttggtgt ctcggactgg 360
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aaagaagttt ctgctcgcac aaggtcgggc aagacaaccg ttcgcatccc ccacaatgct 480
ggtgacagat tcattcccaa caggtccgca agcgaaggac tgacaacaac tggaactgcc 540
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gctcagatga ccaagtctat gaccattcgg tag 1893

<210> 19371
<211> 450
<212> DNA
<213> A.fumigatus

<400> 19371
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cctactgctc ctgtgccttc aaacgctcct cgacctgctc ctccacaaca gacacagcaa 180

caacatgttc cgccccaaca acatcttccc caatccctac cggggacgat acctccgatg 240
caagcgcctg cgcccgcgca catggggcag caatctcaca tcaagagcga accgggcctc 300
aatgggcaac cgggaatgcc tcacatgagc aacatgatgt cggctccttc ctcaaatcct 360
cagtcggcac gcgaacgtgc tgccaatatg cttcatcaga gatacggtgc cgcagcaggt 420
cttcaccacg gggctggaag gacccgcgct 450

<210> 19372
<211> 231
<212> DNA
<213> A.fumigatus

<400> 19372
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tttctccagg tcaatgcaaa gaacttcgct catatgattc tcatcactgt tgccaggagc 120
ggcgccaacg tcaaggctgc atcccagcag ccaggctttg gtgccactag cgtcgactgt 180
acaataatgc cagcggtacc cgggcttgaa aatctcttgc ccatcagcta g 231

<210> 19373
<211> 489
<212> DNA
<213> A.fumigatus

<400> 19373
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ctggcagaaa aaactctcgt cgcttggtgt cgcccatttc ccttgggatc ctgcgccacc 120
acagcccgcc cctcctcaga ctcaaaacca aatactccct cctactgctc ctgtgccttc 180
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tcacatgagc aacatgatgt cggctccttc ctcaaatcct cagtcggcac gcgaacgtgc 420
tgccaatatg cttcatcaga gatacggtgc cgcagcaggt cttcaccacg gggctggaag 480
gacccgcgc 489

<210> 19374
<211> 717
<212> DNA
<213> A.fumigatus

<400> 19374
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<210> 19375
<211> 204
<212> DNA
<213> A.fumigatus

<400> 19375
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ggtgctggtc tgattgaaga ggtcatccag gtcgccgaaa atgagctgaa acttgtcgac 180
gaaatgtaca agtctaaagt gtaa 204

<210> 19376
<211> 1299
<212> DNA
<213> A.fumigatus

<400> 19376
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cgcgtctaca actacaatac gtctgagaag atcgcatcgt tcgaagctca cccggactat 180
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<210> 19377
<211> 267
<212> DNA
<213> A.fumigatus

<400> 19377
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tgtggaacga gcctgtatat ggagtga 267

<210> 19378
<211> 1218
<212> DNA
<213> A.fumigatus

<400> 19378
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gtgcaaacgg aggcctag 1218

<210> 19379
<211> 1650
<212> DNA
<213> A.fumigatus

<400> 19379
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cgggtcatca ttaacgacca ggatgtaagt atcattcaag aactactgtg tttgccattg 1560
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ttactacacg acgggactgg aaggagacgc 1650

<210> 19380

<211> 549
<212> DNA
<213> A.fumigatus

<400> 19380
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ctcgtcaaaa gagcggaacc ggttgaaaag actgagtcgg agccggtgtc gacaacattc 180
aatggcgtcg aagtgccgcc cctgaaagag ttgacaccag agaactttga ggagcttacc 240
aaaaacggtt actggtttgt ggctactgta cccgtagcat tcaccgttga tatagtatta 300
ttaacaggaa acaggtttgt gaagcactat tctccgtcat gtccccattg caaggcgatc 360
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atgttcgtac tgggtcactg tctaacatgt gctagacatc taaaccgata tcttcctctt 480
ccgagccgtc tgatactcaa tcccttaact ccttccaaaa tttctacaac tttcacttcg 540
cttcgatga 549

<210> 19381
<211> 192
<212> DNA
<213> A.fumigatus

<400> 19381
actatcccat tatttaggta ttattattat tattacttgg taccagtctc tgacaaaata 60
ctcccaactc ttatgagtag ctataacggg ttccacacca ggttcctaga tgctttaatc 120
aaagccttct ctagcggtca aacctctcag aacgtccgag cccgggtttt tggtttggat 180
gactgggttt aa 192

<210> 19382
<211> 261
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (178),(197)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19382
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ttctatggac tactgagtct gctgtttgct gcgttccagt ggagcattga ggctaaanat 180
aagcgaggaa agcgatntaa aacgccaata gtcagggagt actcatcaaa ctctgtatcc 240
tacaatcagg atcaactatg a 261

<210> 19383
<211> 216
<212> DNA
<213> A.fumigatus

<400> 19383
tttaaaattg attttgaccg tgacatcaac gagaggcacc tattcatttc ccttcatttc 60
gctaccgagg gatcaggtaa aaaagtactt gggaaatcgt ctgtcttgct tgccgattct 120
tttgtgcacc aatatattat gatgaatctg aaggacgatc taagctacct aagcgagtcg 180
gtgacaatca gatcccggta ttctatggac tactga 216

<210> 19384

<211> 1293
<212> DNA
<213> A.fumigatus

<400> 19384
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tgtttagagc ccattctgtg ttccattgct tcagcaatca ctactcctgt accaatcaga 180
tataccggcg tcctacaaca aatctatcca tcatgcaggc tgcacagcag tcctggggtt 240
cgtactcaaa tgacccactt ggcatcgctt tccgatgagc tactgacacc gcggctttct 300
gcccctcccc cagagctcga aaacaccatc agcctcatcg atcctcaacg ggatgcgctc 360
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gtctctgagg aggtaaaagg tctcttggca gctgaggtta agatgaagct cttccaggga 1260
atcggggagg ggacgcaaac gggtgcctca tga 1293

<210> 19385
<211> 216
<212> DNA
<213> A.fumigatus

<400> 19385
agagctacac gttttgatca attaacatcc accattcaag acaacaagcg caggaatgag 60
acaccatacc tccgcctctc gtgtttcgcg ctcatggctc ggaactccaa tatcatcaaa 120
tatggcatgc agctgcgtaa cgatagtgtt gacctgagtg gtcaagtaac tcgtgtcgac 180
cgtcatcggg atcatgagcc ccaggtatgg ggttga 216

<210> 19386
<211> 2733
<212> DNA
<213> A.fumigatus

<400> 19386
cgtcgcgcgg atccatcggc ccccgtggtg ccagacgaat atgaggaaga gcatgggcac 60
gagcacgatg aagatgaggt cgactccgct ggaaacccgc gcgattcgca accactactc 120
cctatcgaag gcgtagcagc ccccaaggag caggaagaag ccgccttctg gatcccacaa 180
gcaaccccgg atggccgttt attctacttc aacactctca caggctacag caccatggaa 240
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gatgattatg atggctcggc atctgaggcg gagggagagt ctctaatgct ggcctcccac 420
gattccatgt ctcgtcgtcg tcgctcatat atcgatggtg tatctcctgc tacctccttg 480
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gacgaaccag agcctgctac gaatgtgaag gctctgattc tccattcaaa ccaattgacg 2640
aattgggttg cggagatgat tctcacgcag tcagatgtca agaagcgagt tgtcgtcata 2700
aagcatttcg tgaatgtggc agatgtatgc tga 2733

<210> 19387
<211> 240
<212> DNA
<213> A.fumigatus

<400> 19387
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gctctcggga cagcgccgat ccatcgactc ggtcggactt ggtctcaagt tagtggccgt 120
acgtccgcca ttctggagca aatgcgcaga cttatggcca gcacgaagaa ctttggcgag 180
tatcgggaaa ctctgcatct cgcaaacccc ccttgcatcc ctttctttgg tacgaaatag 240

<210> 19388
<211> 369
<212> DNA
<213> A.fumigatus

<400> 19388
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atcccgtctc tgacgccatc agagctcatc aatttcaaca aacgcgccaa gactgctgaa 120
gtcattcggg acattcaaca gtatcaaaat gtcccgtatc tccttcagcc agtcccggaa 180

ctacaggact acatactcag taatcttcaa gcggcgggtg acgtccatga tatgtacgat 240
cggagtttgg aggtggagcc gagagaacgt gaggatgaga aaatagcgag gtatgctgct 300
gcatcgagta gagacttaag aagtcatagt actatggcca tcgcgagcat cgttatcgca 360
tcgcgatga 369

<210> 19389
<211> 255
<212> DNA
<213> A.fumigatus

<400> 19389
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gaacgactta ttactgccat tcaacaaatg gaagaatccc tagtggatga gaaagccaac 120
ggacagtatc aactgaatca tgacgatctg cgcgtcacgt acccccctcaa tcgctgtctc 180
tcttttctgc gcgaaaagca tggagcaatg agcaaaatgc accgggagcg ctttgaacag 240
gtgaagagta agtga 255

<210> 19390
<211> 738
<212> DNA
<213> A.fumigatus

<400> 19390
caggcagtag aacttgttgc agcgctcgaa tcatactctt cccatctaga gtcctctttt 60
gtgaccatcg aacttccccc aacagcacct ggctcatcca tttcgccgag ctttgacctt 120
tccccaactt atgttaccgc gctagataat gaatttacga gagtgtatga agaataccac 180
cgtcgccttg agtttgtcaa gacgacttgc gaagagatca tcaaactttg ggcagaactt 240
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gaagagaaga ggtctcgcga gcgcaagttg aaggagcttc gaacagctgt ggagtcgttg 420
tgggagcgct ttggtgtcga ggaatgtgat agaaaggcct tcctcgcggc caatcgcggg 480
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gggctctatt tctccgaaga agaaatgctt gactttacac ctgccttctc tgacgtctac 660
agcgacgcgc ttcttgaagc acacgaggca gcaattgccc ggctggagtt atatcacgcg 720
gcggctggaa ggatctag 738

<210> 19391
<211> 267
<212> DNA
<213> A.fumigatus

<400> 19391
tcagatgaga ctgctttgat gatttttgtt gacatgacaa ggggccttga tgctcgttac 60
atgataagtc gtctaagacc gaagaagttc aaggtcttgt ctttgacgac aattgcgact 120
cctcatcgtg gtatgctgcg tccttggaat aatccacggt tatttactca gacaattcag 180
gttctacggt tgcagattat gtccttgagc gaattggtgg ttcgttccat gattactcta 240
tacaaagaac caaactcatg cctataa 267

<210> 19392
<211> 279
<212> DNA
<213> A.fumigatus

<400> 19392
ctgacatggc tcaagttccc tttcaacaat tcatgcagtt cacacaacag tatgctcacc 60

aacttgaact ttaccgggtt gaaggttgag gtggccaagg atacaaatcg acacgttaag 120
aagaccttgc ctccttcttt gagtggtttt ccaggcatgg cagagatcaa atactatgtg 180
aaagcaacag tcattcgtcc acagttctac aaggagaatc tgagagccgt atgtactaga 240
atcttcagcg tagaaaatat cgtcatgaac agctgctga 279

<210> 19393
<211> 1317
<212> DNA
<213> A.fumigatus

<400> 19393
accctccagg gcacggttcc ctcaggacta agaagagcaa tcaacgcaac aaattgcgac 60
ggaggctctc gaagctcaag gagcttgggc gctctgcctg ccgaagccga ctttgcagcc 120
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<210> 19394
<211> 327
<212> DNA
<213> A.fumigatus

<400> 19394
tcgaccttcg tcatcacatc agaaacccca aagtatccag ttgtccttgc gcatgggctc 60
ctaggttttg atgagttacg cctcgctggc cctctccttc ctggagttca gtactggcga 120
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tcggggtcca ttgagatgcg tgcggaggag ctggtgaagg atatagatga gggcgcccag 240
gggaaagctg taaatattat tgcgtatgta ttctctactt taataggttc aagggtagct 300
ttcagactga ccaatgtaca gacatag 327

<210> 19395
<211> 279
<212> DNA
<213> A.fumigatus

<400> 19395
gcgttgtgca gttacttcag ctacggcgca gcgatgcaac caagcttttg gtctatgttc 60
cgcttgtccc atcgcgttct tcaagaggtg gaaggatata acgatgggct agtcagcgtc 120
gctagcagca aatggggaaa atacaaaggc accctggaag gggccagcca cctggatttg 180

atcaactgga ccaacaggct gaagtggctt gcgggcgaga taactggaaa caggcaaagg 240
tttgtaaaat ctatctctgg cttcgaggtc gtccactaa 279

<210> 19396
<211> 1179
<212> DNA
<213> A.fumigatus

<400> 19396
atcttcagca tccgtgccct tcaaatcgca gatctcagag cgagacggct ctccggccgc 60
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aatgcttccg ggcaccacgc tgaccatcaa gctgcgacca aaagtccatc tgaagcaggt 660
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<210> 19397
<211> 447
<212> DNA
<213> A.fumigatus

<400> 19397
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cttcctcgat tcggcgttgt gttctgtact gggtgcgttg cttggttcca ttgtatcgtc 180
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gcgatgggat ggtggcccag caagatcgtc gtgattttga acttgattca aatgctcggg 360
tattgcctca ttgactgcgt agttggagga cagatcttgt ccgctgtttc accaaatggg 420
aatctgtcag ttgcagttgg tgagtaa 447

<210> 19398
<211> 780
<212> DNA
<213> A.fumigatus

<400> 19398
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tccaagttag ccatcttctc cctatccttg tccggcctga tggtttcctt caccctggcc 180
ttcctcgccg gtattggact cgcctccggt ataccttccc acctagaata cagcgcagca 240
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aagttctgct ccgtggttgt cgccctcggc ttgatcgcca acaccgttgc gccgacatac 360
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tggaacacca ttggcgtagt catctacatc gtctgcgggc tggcagggcg gagccactta 480
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gccggtgcag tcctctgcat ggcgcagctg tggtacattg gaccgcttgc caagttggtc 720
ggggaatatg gtgcagatgt aagtgctatc atcgttcccg ttccagtaaa ttccccctga 780

<210> 19399
<211> 501
<212> DNA
<213> A.fumigatus

<400> 19399
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actggtgaaa ccaatagcga gagccccagt ggccgcgtta tcccgtctcg cgtgggtatg 180
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gttgtttatg ggctcagctt cctcgattcg gcgttgtgtt ctgtactggg tgcgttgctt 420
ggttccattg tatcgtcgtg gatggctact cgaggacctc tctctggaat ccgcaccatg 480
gtatgttctc gtctcgctta a 501

<210> 19400
<211> 258
<212> DNA
<213> A.fumigatus

<400> 19400
gtatctcgtg atcgtcctat cgagcgctgc ggcgagtgtg gtaatgtcgt caagctcgag 60
tatattggac ctgatgagga cccccatgct cgtaagttcc cttcacttgg atcatatcgc 120
tccttgcctt ccttttctcg gttagttttt cggcttctta catatccatt cacagacgag 180
catcacagcc accacccccc tcacgaggaa cccaagacct tcgccgacta cgtcaagcct 240
gagtactggt accggtaa 258

<210> 19401
<211> 969
<212> DNA
<213> A.fumigatus

<400> 19401
tgtatgtctg tgacgctggc ggatccgtac cgagattatg ctcttgatta tgcccaacat 60
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cgtcataaag aggccaaccc tccgttcccg cagggtagtc cacacaacac ggcatacgag 180
caacatcatg caagcacgac cgttctccca gcagcaaatc ctgacatctc gcagtccgtt 240
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ggtgactacg gggaccatgg agttcgcccg cgcttgtcag cgcttcccac gcaggcatct 420
acagagacag cacaatcccc agggatgctc ttttctgtcc aaggcgattc ctcacagcaa 480
caagcacacc atcaacagca gcagcgacag ccacaacaac accaccatca tcagccgatg 540
ccgagccatg ggttcgggcc acctgagtcg atggcgctcc ctcaacaaca tcaccaccac 600
cgtctacccc cgcaggcatc gcttcactct gcagagcggc atggcacgaa tgcagaaacg 660
tctcctatac cttcaggact accaagcgtg gtgggccaac caggcatgcc tgatccggct 720
cccaggccac gaggcccaaa acttaaattt acgcaagagg aggacgcctt actggttgag 780

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agtggcacgc tgcaagttcg ttattgtacc aagctgaagg ccaaggatgt gacatggaca 900
gatgagatgg taagtattgc tctatggggg cgttccgtca acttaccaag ggaaccattg 960
acgtactaa 969

<210> 19402
<211> 462
<212> DNA
<213> A.fumigatus

<400> 19402
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gcagaatacc aatcggtgtc tctgtcgaga agtacctatt tatgctatgc gatgtgccac 120
tgggctcgtt cttggtctcg ttcttacatt ttcgtcatgc gggatcccat tgactttccc 180
tcggctacaa caccctgtg tatcaggcat tgtgctgacc tttatgattg ctttgcagaa 240
atcaagactg aagaagacct cattgctccc ggtgctaagc ccggtaccgt ccccacggac 300
gttgagcagg ccaccggtct tgagcgtctg gaacttatcg gaaagatgca gggcattgac 360
atcttcgaca tgagacccct cgacgcctcc agaaagggta tgcggatctc cttgcaggaa 420
ataaggcgtg ggagcagcaa atgtcacgcg tttgaatcgt ga 462

<210> 19403
<211> 345
<212> DNA
<213> A.fumigatus

<400> 19403
ctaacgaagc ttgcgtcatt aggaaccctt gacaacccca tcattgtcaa gagcgctggt 60
gacgagcagt acgccggttg cactggatac cccgctgact ctcaccacac tgtctggctg 120
acggtaagta ttgcatgctt tgtggctctg tgcccccaaa ttgcgcagat ggctaaaaca 180
tatctcttct ctcaccatag gtatctcgtg atcgtcctat cgagcgctgc ggcgagtgtg 240
gtaatgtcgt caagctcgag tatattggac ctgatgagga cccccatgct cgtaagttcc 300
cttcacttgg atcatatcgc tccttgcctt ccttttctcg gttag 345

<210> 19404
<211> 198
<212> DNA
<213> A.fumigatus

<400> 19404
tttttcggct tcttacatat ccattcacag acgagcatca cagccaccac ccccctcacg 60
aggaacccaa gaccttcgcc gactacgtca agcctgagta ctggtaccgg taaatattcc 120
atgctacgaa tattgtgcga ttgtcctttg gcctcttcct ccacgaaaaa cgatttagga 180
gaaaagaacg gacgataa 198

<210> 19405
<211> 276
<212> DNA
<213> A.fumigatus

<400> 19405
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cctccttcct catttcatac aaaaaacaat acccagcggc agcttttgta tccttcctct 120
cccaggtaca atctggtttt ttactttaac ctattcttct accacctctc tgctcagatt 180
gaattcagct cgctcttcac tctcctctgg ctctcctcga agcggttcct caagggcaag 240
tatcaatctt cattgctatc cggttgtctg gattga 276

<210> 19406
<211> 198
<212> DNA
<213> A.fumigatus

<400> 19406
tccactcagc cttgcgtaca gcacctgatg cacgaagcga catctctcct ccagcggaac 60
atagaagcca ccgaccatca aaggacaatt ttctacctcg gccctgaaat ggacaatacc 120
acctgcgtga cttcggttgc tcccatccgg cgcaatgtcc tgcccgaaat caggctggag 180
ttgcatatga tcgtgtaa 198

<210> 19407
<211> 378
<212> DNA
<213> A.fumigatus

<400> 19407
caggtcgcag cagcactttc agttgcctgg tacggcgcac tgatagaaag caaaccccca 60
ctgaacatcg cgctggccct tgtgctcctc atctcattct gcatcacggc tgcatacaac 120
gtgatgaacg tcctcatcgt ggatctgtac tacaccacgc cggcgaccgc catggcggcc 180
aataacctcg tgcgatgctt cctgggcgca gccgccacgg ccgtcatcca cccgatgata 240
ctaaaatggg gtaatcggac tacgtacttg gctgtggcgg gagcgatgtt gagtgtgagt 300
ccgttgctgg ggatggtcta ttggaaagga ctggtatgga gacgcaggag gattgcagga 360
attgcaattg ctggatga 378

<210> 19408
<211> 249
<212> DNA
<213> A.fumigatus

<400> 19408
actgtactca tcatgaacac gctcatctca ctcatcctat tcacagccat atcctcagca 60
cagtgggctc taccccaggg aacccccact ctccagatgc gataccctc gacccctgg 120
atctcccccg gcgatacgat caaacaacca ggtacgtcca tcacgattct agtgactgat 180
atgaacaatg aagctcatgc tagtggagac aaacagacgc cctcccaatt ccgtgcatca 240
gaactttga 249

<210> 19409
<211> 651
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (7),(8)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19409
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gagacttgtc gcacgattgt cggagacggg tcaatcccag ctacaggatg gaatcagtca 120
gtctggaacc ggtggcacaa acaacagacc attgctactt ccaactctga ccccgaaggc 180
acccgagaca cctgccgcga ctcccatcca cggcttcaaa aaacaaacat cgccatccca 240
aatcccctgt ccaccatcag cctcctcttc caactcccca caggcccccc cgtccttgcc 300
aacggcatag tcttcgcaag ctactactcc gtcacagccg gcattccctc ccaattcaaa 360
gcaacctacg gactaagcga cttaggcatc ggcctcagct tcattccagc aggcctaggt 420
tccctcctca gcgcaacctt gaacggccta atcgttgact ggaactacat ccgcctccgt 480

cgcaaaacag gcgacatcat ctctaaagac cagaagcaag accatggtgc atttcccatc 540
gagaggacac ggttgcagat cgggcttcct atgacggtac gttgcgttgc accttctgac 600
ctcctatact tcaccagggt tgtagttgta gttggaattg caacgtgctg a 651

<210> 19410
<211> 705
<212> DNA
<213> A.fumigatus

<400> 19410
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ctcgaacagg aacacacctg ctaccctgaa cagtatctac attctcggtc gttcctttcc 180
ttcgtcggga tgaacagaga caaacaaccc aagccatcgc ccgatcgact tcctaagagc 240
gtcaaggtgc gttcgacctg caacgcatgt caacaggcca agatacgctg cagtcatgaa 300
aagccatctt gccgacggtg cctgaagcat aacatcgagt gcatctacag catgtctcga 360
cggctgggaa gacctgcgaa gaggagggag tctcaatacg ccggccttcc gccggatacg 420
caacgcgtcg acgctcgatg tcaccaacaa gacaagaagg ggccggcttc caagaaaaaa 480
gcaaaggaag gccaggatcg taggaaggac gatgaagacg acttcccaca gagacttgct 540
gaaacagtag cttatgacac catggccgtc gaccagactg tgctagatga tatctccctc 600
aatgacacta atctgagtac gtcgaccttt agcgaaaggg accaaccgcc atcatttgca 660
ggtagtttac gctctctcag agatataatc aggccaagtc attga 705

<210> 19411
<211> 267
<212> DNA
<213> A.fumigatus

<400> 19411
gctattggct ctagcttgca gcttaagcct agtgttctat ttttgtctat ttcaggctct 60
gactgtagga ttgagatagg catctctgat ctcggggccc ctcaactcct gacggctgac 120
ttcacatttc catcaacaaa tcagaggttc gcttttgaaa tgcaactctc tatgtaccta 180
attatagact tcgacagttc gtttccatca ctaaatttgg atctcccagc gcttcccttg 240
ccaatacaat ccatccgtga cgaatga 267

<210> 19412
<211> 750
<212> DNA
<213> A.fumigatus

<400> 19412
gctgccgtca aagttgagag aggttatcgg atgctgacca tcatagatga acctgtcctc 60
acgctcaatc tatcagtcag cgagcttcct tgcttctacc ttcgcttcca gagccgaaac 120
gaattggaga tctggcgtcg agctcttcgc gatcttcata cctctgatgc gttgtcccga 180
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atcacggatt ataccaccgg tgcagataat ctgcccacgt cgagtgtcca tatacctctc 360
gatgttgtgg ttgttattcc tgtttcttcg tccatgcagg ggttgaagat caccctcttg 420
cgcgacgcac tcaaattcct cgtgcaaaac ctcggacccc gagatcgcat gggcttggta 480
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gttgtcgagg gcgccaatgt tgctatggac ttgctgatgc agcgcaagtc cagcaacccc 660
atttctacaa tcctcctgat cagcgactcg tccacttccg accccgaaag tgttgatttc 720
gtggtgtcta gggccgaagc tgccaagtga 750

<210> 19413

<211> 249
<212> DNA
<213> A.fumigatus

<400> 19413
tatataattt ttactacatc ggaaccttat tccccttttt ctttcctcgt ctgctttact 60
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agcagtaaaa aaatagtggc atcaccagac cctcaattgt cgttattgcc cattggtgtc 180
cttactgaaa gtcggaccag cggaccgttt ctaccactta ctgacgagca tctgcaacct 240
tttgcgtga 249

<210> 19414
<211> 1272
<212> DNA
<213> A.fumigatus

<400> 19414
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tccttttccc gttctcacgc agatcggccg gggaccagta catctggtca aacgcacact 120
tctcgatctc gtgctccttc cactattagc acttcgcttc aatccgacca tcctggcttg 180
ggctggcatt cgaccatcgg cacaaactct tcgcgagcat cgttcaactc tagatccgga 240
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<210> 19415
<211> 273
<212> DNA
<213> A.fumigatus

<400> 19415
atgatctcca ggtcgggaaa actccgcttg catggacaca tgcgagtggg caaggatcgc 60
gaatcatggc aggatctgga gtgctatctt ttcgcagaaa tgcttatctg tatcaaggaa 120
aagaagacaa atactcatca gtatgatgac cagatcaagc gcaagactcg gagctcgctg 180
aaaggctcga ttcttataaa gaagcatctc aggtctattg aagcgtcgcc tggtaagctg 240
ccgtcaaagt tgagagaggt tatcggatgc tga 273

<210> 19416
<211> 513
<212> DNA
<213> A.fumigatus

<400> 19416
ctgactattt gcagagtgag tatccactcg ttcggccttg gcctgactca caagcccgac 60
acaatgatcg agttgtccac tcggacgaaa ggctcgtact tatacgtcaa agattggatg 120
atgcttcgag aatgtgttgc cggctgcttg ggcgcactgc aaaccacttc gcaccagaac 180
gtcaaactga agcttcgtct cccagagggt tcgcctgcga aatttgttaa gattagcggc 240
gctctccata caaccaagcg cgctacaggc agagatgccg aggccgctct cggagacctg 300
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caggaaagca tgccgcagga cccctgggaa agcctggtgt ctggattgga agctctcgga 420
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gcggatctca cttacggtga tctcctcccg tga 513

<210> 19417
<211> 198
<212> DNA
<213> A.fumigatus

<400> 19417
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ctctctggtt acccggctga gttggcaggc ttttcttgtt atgataccac tttgttcgac 180
aatgacggcg cagcatga 198

<210> 19418
<211> 705
<212> DNA
<213> A.fumigatus

<400> 19418
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aacagctacc aattcaaccc tcacctcctc cagcccgaaa ccgttaccaa catcctcgcc 180
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<210> 19419
<211> 387
<212> DNA
<213> A.fumigatus

<400> 19419
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ggttaccaga ctccctccag aaagtag 387

<210> 19420
<211> 213
<212> DNA
<213> A.fumigatus

<400> 19420
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tctcacttta ccctcctgtc cattgttttc tttcatttgg acaataccat cacccataat 180
ggccacctac gctttgtcgc aggctcaccg tga 213

<210> 19421
<211> 1044
<212> DNA
<213> A.fumigatus

<400> 19421
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cactgtgtta acttgcccag gatttccgct gtttctacct actttgagac cttcccctac 120
cgtgttaaca ctgagaccgg catcattgac tacgatactc tcgaggccaa cgctgagctc 180
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agcacatacc ccctgcctgt ttaa 1044

<210> 19422
<211> 1041
<212> DNA
<213> A.fumigatus

<400> 19422
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gagccactcg gccagcacgt tgcccatgtg ctgaggaggg aacgcaacgg ggaaggtgta 180
gtcggtcttg tactgggtca tggtggtgat ttggatgttc ttggggtaag ggaagtcggg 240
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gttctccggg ttccttcaaa acataccctg cacgcgcctt tccttgccgc caacaatgat 420
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ccaacgcttg tcacggtcca tagcgtagta gcggccaacc accgtggcga tctcaccgat 600
gccgatctcc ttggtgtgat cgagcaagtc ctgcatatac ttgatggcgc tcttggggtc 660
ggtatcacgg ccatcaccga agaagtgaat gaagacctga gggatctcca tttccttggc 720
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tggcagaccg acggccagcg acgaggcatc cagctctgta tatccttgag ccgtcttcga 1020
gttctcttcg gcaaagcctg a 1041

<210> 19423
<211> 621
<212> DNA
<213> A.fumigatus

<400> 19423
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gggcaccttg acaacagtcc cgttggggcc agtcttgtcc acctcccagc tgcagacctc 180
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gtgggcgggg aggagggcaa ggcagaggga gaaggcaggc gagggaaaga cggtgagcgc 540
cttggcgagg atgttggtaa cggtttcggg ctggaggagg tgagggttga attggtagct 600
gttatgacat cttgtcagta a 621

<210> 19424
<211> 324
<212> DNA
<213> A.fumigatus

<400> 19424
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gacgccgttg agcaatggaa taaggaggtc ctcagcaaga cccaggtgcc ccttgaccgt 180
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gtggcagaca ctctggaatc ctga 324

<210> 19425
<211> 753
<212> DNA
<213> A.fumigatus

<400> 19425
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caaggatata cagagctgga tgcctcgtcg ctggccgtcg gtctgccaga gggtttgatg 180
ggcaacagtg aggttggcca tctgaacatt ggtgctggcc gtgtcgtctg gcaggacagc 240
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gagatccctc aggtcttcat tcacttcttc ggtgatggcc gtgataccga ccccaagagc 480
gccatcaagt atatgcagga cttgctcgat cacaccaagg agatcggcat cggtgagatc 540
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gttgccatga agggtattgt cagcggtgag ggcgaagaga gctctgatcc cgttaagact 660
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ggcaaggaaa ggcgcgtgca gggtatgttt tga 753

<210> 19426
<211> 600
<212> DNA
<213> A.fumigatus

<400> 19426
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aagaacatcc aaatcaccac catgacccag tacaagaccg actacacctt ccccgttgcg 180
ttccctcctc agcacatggg caacgtgctg gccgagtggc tcagcaagaa ggacatccag 240
cagtgccacg tcgctgagac cgaaaagtac gcgcacgtta cgttcttctt caacggaggt 300
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tacgaccatg agcccgagat gagcgccgaa gccgtcggca agaagatggc cgagcgcatt 420
gccgagggaa aattcgagtt cgtcatgaac aacttcgctc ctcccgacat ggtcggtcac 480
accggtgtgt acgaggccgc catcaagggt gtcgccgcca ccgacaaggc cattggtgaa 540
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<210> 19427
<211> 270
<212> DNA
<213> A.fumigatus

<400> 19427
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aacgcggagg agatgctcac cgagaagggc actcctaaga cctcccacac aactaacaag 120
gttcccttcg tccttgccaa tgcccccgag ggctggagcc tcaagaagga ggagggtgtc 180
ctcggagacg ttgcacccac cgtcctcgcc gccatgggca tcgaacaacc cgaggagatg 240
tcgggtaaaa gtcttctggt caaggcctag 270

<210> 19428
<211> 633
<212> DNA
<213> A.fumigatus

<400> 19428
gatgagaaaa aggagcaaga aaaagaatta aggaaaaatc cccattttaa accgatgaaa 60
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cccacgcgct cgctcttgac ctcgctgcgc gcctcgttct ccttgttcgt gggcaccttg 180
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gcgtactggg cggactcgag gagagtggac aggcgggcga gcttctggat ggattccacg 480
aagtcggagg tctgggaggc gtcggtgtcg gcggtgggga agggctgggt gtgggcgggg 540
aggagggcaa ggcagaggga gaaggcaggc gagggaaaga cggtgagcgc cttggcgagg 600
atgttggtaa cggtttcggg ctggaggagg tga 633

<210> 19429
<211> 468
<212> DNA
<213> A.fumigatus

<400> 19429
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ccttctgcaa tccttaggcc cagaacactg ctaacctact cagtcgaaat cattggatac 180

atcggacgtg caatgtccag caaagagacc ccagattgga ctcttggacc gtatatcgtg 240
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actaagattt ttgtaacggg cgatgtgctc tcattcttac ttcaaggagc tggtaagcat 420
ctcatagcaa aacatcggaa catggaatgg caagctgata taatctag 468

<210> 19430
<211> 246
<212> DNA
<213> A.fumigatus

<400> 19430
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aaatatgtat acgaaaacga gtgggtctgt ggccactact ccgtcccttg gcgggcttgg 120
cgaaactatc tggcgactat cgaatccgcc tgtttagccg aattctggct gggccaatca 180
gaatgctcca ttgtaccatg gatccaacat gccgaattga aagtatttta cagagttttt 240
atttag 246

<210> 19431
<211> 201
<212> DNA
<213> A.fumigatus

<400> 19431
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gttcaattct attgctttct ctgtctgacc cttgatcaga cgccagtgga agatcgcgca 120
ggtaacaatg aagaggccga aaaaaagaat ctgtataaga aggcctgcga taacaatctt 180
ctcaccattg tgtacggctg a 201

<210> 19432
<211> 393
<212> DNA
<213> A.fumigatus

<400> 19432
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ttctgcttcc ttctcttcaa ctctcttcaa ctctcttcaa ctcttttctc ttcaacttcc 120
tttctatttt atttgctcat catttatttt gagcctgttg ttattgttac aattcatacc 180
cttcacatga aaatgccgga tacaggggat tctgaggagg ccttctttgc cttctatcgc 240
tacgacccta gcatgagtgc cgccgtgctt ttcaccctcc ttttcattgg cacaactggg 300
tatcatgctt ttcaaatgtt taagactcga acgtggtttt tcattccctt tgttattggt 360
ggcatatgtg ggtgcacctt ctgcaatcct tag 393

<210> 19433
<211> 471
<212> DNA
<213> A.fumigatus

<400> 19433
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cgcatcatcg tcgtcggcct cttcgtccaa atcttcttct ttggtttttt catcatcaca 120
gcaagtcatt tttactggaa gatcaagaaa tatcccatcc cacgctcttg tacaccggaa 180
attccctggg gcaaacacct acatgttctt tatctgacga gcttcttgat catgatccgc 240
tccgttttcc gactggccga ataccttcaa ggaaataacg gttacctctt acaccatgag 300
atctacttat atattttcga tgcccttctg atgttcatca cgatggtcac cttcaatgtt 360
gtacacccct gcgaggttgg gcgcctactg agaagtaccg tcaattacga attgacacac 420

aggccacaga catgtgctaa taagccatat gcaagctccc tggtgaggtg a 471

<210> 19434
<211> 252
<212> DNA
<213> A.fumigatus

<400> 19434
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ccgacgacag gagcagatgc cagctaccaa actgcagtgt gggcatacta tcgatactat 120
ccgtccaagg cagccgccat cctcttcact attctgtttc tgatcactac ctttgtccat 180
ctatatcagc tgtttcgtcg ccggacttgg tttttcattc cctttgtgat tgggggcttc 240
tgtgagtgct aa 252

<210> 19435
<211> 324
<212> DNA
<213> A.fumigatus

<400> 19435
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ggatatcttg gccgtatcct gtccagtcag gaaagcccca actggtcaat ggggccctat 120
atccaacaaa ccctcttgct cttgttggcc ccagcgctat tcgcagcttc ggtttacatg 180
atgcttggac ggattgtggt gctactagat gctgagcacc tttgcataat caagaaaaag 240
tggctcacaa aatttttcgt gtgtggtgac gttttatctt tcactgtcca ggctgctggt 300
gagcatactt ctcccctcct ttag 324

<210> 19436
<211> 300
<212> DNA
<213> A.fumigatus

<400> 19436
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tttgccttct tccacccctc tcgtacccta catattgccg cgcagggcat cgctgccttc 180
cgtctccctt ttccctctag ggagcttgaa atcccaatct acgacaccgc agaaggtacc 240
atcgcttacg tctcaacgcg ttcatccatc tgctcgggaa acgccattct ttcagatcct 300

<210> 19437
<211> 333
<212> DNA
<213> A.fumigatus

<400> 19437
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cactcctaca aggctctcgt gctggaagta tccatcgctg aaatggatgt ccacacgctt 120
aacaccacac tccacaccga tatctacagc gccgttatca ctgaggctct tgatgctaga 180
atcaccgata tcagtttctg gggatttaca gataagtatg cttacacctg gctagagggt 240
gcgaagccat tgatgttcga cgagtactat aatcctaagg gcgcgttcta tgctacccac 300
actgccctga caagcttgga caatgagccc taa 333

<210> 19438
<211> 429
<212> DNA
<213> A.fumigatus

<400> 19438
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gagaagattg ttatcgcagg ccttcttata cagattcttt ttttcggcct cttcattgtt 120
acctgcgcga tcttccactg gcgtctgatc aagggtcaga cagagaaagc aatagaattg 180
aacagcgcct ggcgtaaaca cctgtggatc ctctatgcag tcaacttcct cattatgatt 240
cggtcagtgt ttcggctcat tgagtatgca atgggtaaca acggctatct gctgcggcac 300
gaggcattcc tctatgtatt tgatggagtt cttatgctag cggccatgat cctgtttaat 360
atcgtccatc ccagcagtct gataccgagc aggaggaaaa gcctcgagca ggattcctcc 420
gcagcctaa 429

<210> 19439
<211> 228
<212> DNA
<213> A.fumigatus

<400> 19439
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aatggccatc atgcctcagt ttccgttcta ggactgttgc gattgcgcga cgtctatcgt 120
acccctgcat atatctcttg ccgctttgta acagtctggg cacacagcgt cttgcctgta 180
ttgactattg ctgaactgct tctcctgcaa ctttcttctg tcaagtaa 228

<210> 19440
<211> 462
<212> DNA
<213> A.fumigatus

<400> 19440
cgcgacaatt ttcgcttcat cttcagcagg ctggggttgt gcagtgtcga taatgacagg 60
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ttgaatctct gcgtctgtgt gagcttgtct gaactcaagt ag 462

<210> 19441
<211> 414
<212> DNA
<213> A.fumigatus

<400> 19441
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cgacccaccc ggcctttgaa ccaactcttg agtctagatt cccgtctctc aagccgatgt 180
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tccgcttggg gagcttcagc cttgggggct tcaatttggg gagcttcggc ctggggagct 360
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<210> 19442
<211> 330
<212> DNA
<213> A.fumigatus

<400> 19442
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ctgctcctcc tgggaatctt gactggccag ggtttggtgt cagggacgga taatggcaag 120
actaccgatg tgacgtggga caagtacagt ctgtccgtca agggacagcg attgtttgtc 180
ttctcaggtg aatttcacta ccagagactt cctgtgccgg agctgtggtt ggatgtcttt 240
cagaaattgc gggccaatgg cttcaatgcc atctcaggta tgatatgtct tatcctgcat 300
tatgcgtggg tgagtccgac ggggaactaa 330

<210> 19443
<211> 1128
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (425),(479),(505)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19443
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aacaaccgcg gggagaacac gctggcgatc agcatgtggg cattgacgga tgcgggtgcg 1080
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<210> 19444
<211> 1452
<212> DNA
<213> A.fumigatus

<400> 19444
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cgacccagcc cggaagggta caaagccgcc attaccgcag ttagagaccg gagagccatc 240
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ttgactactt ga 1452

<210> 19445
<211> 1149
<212> DNA
<213> A.fumigatus

<400> 19445
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gccaaagaag cgggtttgta tgtgattgca cgcgccggcc cgtactgcaa cgcagaaacc 180
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<210> 19446
<211> 513
<212> DNA
<213> A.fumigatus

<400> 19446
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ctgacatacg ccaacctcga tgtaaatgtc cttgtcttct acttaaatgt cggccagaag 180
gggaccttcg tgttcaagga tgaaccgaag ctcgccttcc aaacatacgg caatagcaac 240
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aatttctttg cgcctccgac cacatcaagc ccgcaggtcg cccccaacga gcatatactg 420
gttcaaggac cgtacctggt tcgcggggct tccgtcaacc acggtactgt ggagatcact 480

ggtgacaacg caaacaccac atctattgag tga 513

<210> 19447
<211> 306
<212> DNA
<213> A.fumigatus

<400> 19447
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ctcccatcat cttctttccc accttctttc ttttcctttg acttgcttcc atcaggaatg 180
cctatacccg ccgttctttc atactccccg catcacggcg cagaccttat cttatcatgg 240
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agctag 306

<210> 19448
<211> 1068
<212> DNA
<213> A.fumigatus

<400> 19448
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gaacaaaaac cttcggctga gactgattat cgtgggccca gtgtagtggc acctgcacct 180
gcacctcagc ccaccactcc tccggttgag gctgcatctc aggtggaagc tgcgcctgcg 240
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<210> 19449
<211> 3186
<212> DNA
<213> A.fumigatus

<400> 19449
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gatgcatcgc gctccggacg ccgagaaatc gagaaacaga agcacgaaga tatcgtcata 480
agtgttctcc caattctgaa cgatggtttc gctatgaaga acgtctcgga gctgatcatt 540
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tactga 3186

<210> 19450
<211> 1296
<212> DNA
<213> A.fumigatus

<400> 19450
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gactcgctca agccaaaacc tggcatctcg caagttctcc ttggaattgg tagtgatgat 180
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ggggtcttgt cgagcatcct gttcaaggca ttcgatctac gccgggagca gcttgcactg 1260
ggagcgaacg ccacctttga cgcggccgac gttgat 1296

<210> 19451
<211> 471
<212> DNA
<213> A.fumigatus

<400> 19451
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ctgtcgcaga ttgcggcaaa atcgacaaac cagctcgatc tcaaggctca gagaatagcg 120
cattcgcagt ccctgatttt tgacaggaaa gttgctagca ttcaggattt tgacacggtc 180
taccaaatat gctacgaggg tttccaggag ctatgccagc tggattcacg attcacagca 240
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gctcagaata aggaactcga tgtggccttg gaggcttttc ttgctctggt tggaggacga 360
ttactgttga atcctgctat taaggccgtc gagtggcttg tcagacgttt caggtgcgaa 420
agcggcaatc tcaatgttca agtactcggt ttctcggacg tgtttggcta a 471

<210> 19452
<211> 447
<212> DNA
<213> A.fumigatus

<400> 19452
tgttcgccga aggagaaaaa gtccatcccg cggtttgcca gtttcaagcc cccaccagca 60
cctccgccca aagctgatcg gccctccgat cgccgaagtc acgagctcgc ccatcgcgac 120
gaaaagtcca agcaccactc gagacataga agccaccggg atcggtcgcg gtctcgagag 180
cgtcgaagag aacggaagga gcatcatccg acccgaaggg atgccgaaca acgagatttg 240
gagcctaccc gcgaacctgt gcgcgcaccg aaaaccatcg tgaaagaggg agaagacgag 300
gcgtctgatc tgtatgttat cgatcgcaaa ggcgacaaat acaacttgat ttacgggaca 360
ttacatcgct ataatgttcc cctttatcac cgagttcggc gaggaaacgt gcttggtctt 420
cctacaagct accgaatcga ccgttga 447

<210> 19453
<211> 387
<212> DNA
<213> A.fumigatus

<400> 19453
gagggacgag gctctgtcgg ctccgccttt gagcgacccg aagaggaatt caccccggc 60
ctttccacta gtagcgtact tcggcgaatc gagctgtctg tcctcttcct cctcttcttc 120

tccccccaaa ttattctgat catcactgtc atcattgccc gtcaagcacg agcattgact 180
tccctttcgt gctcgttcct cctctctcct cactcttcct tcttctcccc tctttctctt 240
gatcacgttt cctctcaatt gtctttttat ctatcctcat ccccgctaat tggtaatgca 300
ctttctcttt acctcttagc ctccacagat cgatactttt cttctccaga cattttggat 360
acaatatttg gcaaccaata tcattag 387

<210> 19454
<211> 453
<212> DNA
<213> A.fumigatus

<400> 19454
cgatatttga tgatggcttc tcaagtgcag agcagcgacg ttaacggtgg ggccaagtcc 60
cttgcggcca tgctggagga ggagcatgct cgcaatgagg cgcataaggt gactgtggag 120
gataccgtgg acgaagagga tttgctgcat ccccctccat cattgggaaa ggaccagcag 180
actgttcccg cccaacccac agctgcaatc gaggaagcag tcgccactac accctcggct 240
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gccttgggaa gtggtcctaa gcccaaagca cctgctgcag cgacctgggg tgccaggccc 360
tctgccgctg ctgctcttgc taacggtgcc gctggacgcc cacaatcgag tatgtttgtc 420
ctgtcgacct ttctgtactg cggcttgctc taa 453

<210> 19455
<211> 1206
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (975)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19455
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gactcggccg caaaggatga cgaagacgac aacgacacga tagacgtcct gattgagggc 180
gacgccgttg cggcagagat ggcacgccgg gagattgaag ctatcgtcaa ggagcgggcc 240
tccaacatga gcctgcgact caagtcgatt ccagcggaat ttttcccctt cattgcgggt 300
gcgcataatg cgaacctgaa agctatcgag gaacgtacca aggctcaagt gcatgtgcct 360
cggtatgata catggcagag ccagcctccc ccgcaggagg ctgagcccgg acgggtgcag 420
tttgtcccag ctcctgataa gcacattcag atcactggag agcgcactgc tgcacaggaa 480
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cttctcgttc cggatgagct ggataactcc gatgttgttc tcgttcaaga aggaacgtcc 1140
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ctttga 1206

<210> 19456
<211> 726

<212> DNA
<213> A.fumigatus

<400> 19456
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tctttaggat tctatccttc atccattatc gctgcgttga acgtgatcga gcaactcggt 120
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tcctggagct ccattgtctc ggacttttac gttcattacc ctgccaacac cccaaagatc 480
aagatcttct tatacaccac tctgggcatc acgattccaa cctgtatcgg aatgcttctt 540
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ggcatcgggg aaattctcaa gacaattatc tacccaagag gatttgctag atttctcttg 660
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gcatga 726

<210> 19457
<211> 507
<212> DNA
<213> A.fumigatus

<400> 19457
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cttcttgcca agccctttgc aaaactccca cgggcagtct ggtcgttcct cgtgttcgtc 120
tgcattctcc ttctcggtat cgctggtcga gaccacctgt tagacgttct ggagaacttc 180
ttgtcactgc tgggctactg gaacacctct ttcttcgtga tcttgttcac cgagcactat 240
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ctggaactca aatacgttgg gaggtag 507

<210> 19458
<211> 258
<212> DNA
<213> A.fumigatus

<400> 19458
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ctctctgtct tttacttctc tttcgctgga aagcctcaat ctcttaaggg tctctcccaa 180
acattgaaga gtaccgcgaa tggtatctcc gattttcgag ggcattatgt ggtaggtagc 240
agtttacagc acatgtga 258

<210> 19459
<211> 234
<212> DNA
<213> A.fumigatus

<400> 19459
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aaatatgtcc ttccctcagc cacgtatgag tcacttccaa actcggttct agcctggaaa 120
aaaacccaga aactcggcag gttcgacccc aaggccctgt caccgaagga gtcgatgcag 180
aagcaggcag agaaagatac cgaggatgtt cgcgttcggg gtaggtcacg ataa 234

<210> 19460
<211> 330
<212> DNA
<213> A.fumigatus

<400> 19460
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accacttatt atcttcacat atctctggca ctctacgaga atacctccct cgttttctct 180
tgctcgagca tctggaagat tccccataca agactttatg attctcatgg cgttttatct 240
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tgggattcct tcattgtgaa tagtatataa 330

<210> 19461
<211> 297
<212> DNA
<213> A.fumigatus

<400> 19461
tctactttag ccacattagt gatggcattc caacccccgc cgacagatgt ctctgtcatc 60
gtcaccacgc ctggtacagc aactggttcc gaaccgcgct tcctgacaga gcgtcgagtc 120
actccgacat ggactgtcct gcagctgaaa tctaagttgg agacgatgac tggcatcccc 180
acgaactgtc aacgtctact actgaaggca cccgggcgtg ctgatcagtg tgtagatgga 240
gatgacagta tcatcggcaa ctggggtcta acgaagggct gcgagattga ggtatga 297

<210> 19462
<211> 372
<212> DNA
<213> A.fumigatus

<400> 19462
agattattca gattatttac tgaccgaggg atggcaggca tcgccgtctc ccgacgtgct 60
attatccttc cgtcatcgcc tccacacgtt aggcgaggca caatacgcta tgttgggcct 120
gtgcctacga taccttccc tggagtggac gtcacatctg aagaaacttc cgaccttggt 180
ccccaaccta tctgggtagg aattgaactc gacgagccta ctggaaagaa cgacggtagc 240
gtaggtggca gacgctattt tacttgtcct aacaaaacgg gcgtctttgt gaagcccgaa 300
aaggtggaag tcggagactt tccccccatta gacttgtttg atgacctgga cgacgagatg 360
gaggaaatat ga 372

<210> 19463
<211> 1149
<212> DNA
<213> A.fumigatus

<400> 19463
ataaatctac ctgttcttga acttatttct tctctagact ttgtccctgc tgcgaatatg 60
ggagaatccg gcttgagtgt cgccggtact ccagatgcat ggacctccgc gggctctttc 120
atccctccca gtatagatcg cgctcgactg ctatctggag agtcctacgc ttactattct 180
ccatttcctc tcgcaagtac aggaaggtct tcgcaggtca ctggtgacaa tcatacaatc 240
acagcagatt tttccacgcc atccacatcc tcgtcaccaa gctattttgt actgggtgtc 300
gacgaagcgg gacgtggtcc agttttgggc cccatggtat acagtgcctt ttatattccg 360
catactctcc atcactccct cctggctcgc gactatagct tcaacgatag taaagttctc 420
actcctggtg tgcgcgcgaa cttgatgcgg ctgctctgca ccgctggaaa tcctctccat 480
gcatcatgtg ggtgggcgac caaggtctta tctgcgcgag atatctctgc aggcatgatg 540
cggcctacat ctggtgcata taatttgaac gcacaggcga tggatgccac tgttgaaata 600

atacgcggca ttgtggagga gcgcagagta gacattagag aggtctacat tgacacaatc 660
gggaatccag cgacctatca acagaaactg gaacgtattt tccctacatt gaagatcaca 720
gtcgcgaaga aagccgacgc tctataccct tgcgtaagcg ctgcaagtgt ggtcgccaaa 780
gtcacgagag acatggcact ggagttctgt cacgaagccg tatacggact acagcgatat 840
gaagcgccat cgatggaggt ggccacagac agctggggaa gcgggtatcc ctcagattcc 900
aagtgcgtca gctggctcag aaaccatatg gaccccattt tcggatgggg caacgagtgc 960
cgatttagct ggggaactgc aaaagaaatg cttgaactca agggaggaac tagagtcgat 1020
tggccggtcg aagaggaggg cgctgcaccg atcaaagact ttctacttac caccgcaaga 1080
aatgcaaaga gaactgaaca ggatgagttg cgggaatggt ttggtcgccg atcaacggag 1140
gttctttga 1149

<210> 19464
<211> 192
<212> DNA
<213> A.fumigatus

<400> 19464
gcagtccatt ctggcgttca gctcctttcg ctctatcatg atagcttcgt ctccccgggt 60
cattgcgaga cttccttcaa cagttccgcg gccggctcca acacctcatt ctcgatatac 120
aaaatattgg atatctcatt cggctcttta tcatcaggtg gctcttacgc ttcagatggt 180
acgatacact ga 192

<210> 19465
<211> 243
<212> DNA
<213> A.fumigatus

<400> 19465
agctgggagg taagtaatgc aggggcatat ctcctgagga atcctccgtc atttcggcaa 60
gggaaccctg accatggcac gggatgtaga cgaacgggag tcaccttaaa agaaggcaag 120
cgcgacgagc atggaatgga ggagattgat gggattttct cgtctcccga aaagtcaccc 180
gaagcatatg gcaacaacac aacgattggg tccgatggaa tgtccatgga tgaaggtgtg 240
tga 243

<210> 19466
<211> 1287
<212> DNA
<213> A.fumigatus

<400> 19466
tctacttctt ccgatttgtc cccgaccatg ctgatcttgt gcctggtcac aggcaacggg 60
ctggggcccg ctgacttctt gggtggaacg aacggagggc gcgcatcctt cctcccgccg 120
ccggttgcgc gatctcctat gaaatccggc ttgagtggat caccccggcg gactcccggc 180
ttgcgatctt ctgcaagccc gcaacgtgac attctctctt ccagtccatc agatggtaag 240
ggacttggga gtgctaaggg cgaaacacgg cgtgatgtat cccctcttac caaccgttcc 300
atcaatgcgc cctctctaaa ccatgtcaat ggcctgcgga ataataaagg aatcaacaag 360
acggcagaca ccacggtcac agttgacttt tcagacagtg acgctaatag tcaaatgaac 420
ggagacgaaa atgcgaatgc atttgagcat atgcgaaacg attatgacga cattaccgac 480
gctggcgacg acactttggc ggaagatcaa caggatgatt ctgagcgcgt taatcgtgtc 540
gacattggta tttcgtcgta cacagctgcc ggttcgcgca aaacagagcg atcaagaatc 600
gccccaaaga ctaaaaaact tgcacaaact gagaaaactg ggtcccaaga tgtcactcag 660
aaaagtgaga cgagcgagca aggaaatgta cagaaacgaa agcgccctgg gagacccccа 720
aaatcgcaaa agatgaacaa tgatgaagat gataccgtgg gacaacgacc ttccaagaaa 780
tcaaagactg ccagtcagac tgggcagggg ttgaagagct ctggaaatcc aatgttagac 840
aaagttgtgg aaaattatgt caatcgtacg ggacctctaa agggtcggag cctatacata 900
ctaaagcggg aaatacccac tgatggcagc gcaacccaca ctcgttcggg gcgagtgtct 960

gttagaccgc ttgcctactg gaaaaatgag aggtgcgttt atggagacgg cgaggccgcc 1020
gaaggccatc gctatccgct ttcgactatc aaagagatca tccgaacaga ggagctggaa 1080
ccggagaaga ggaaagtcag taaacggcgg tcatccaaga aatctaagtc gcggaagggt 1140
cgagacgatg attcggacaa tgaagacgac gattacgtcg atccatggga gaaagaaggc 1200
ggcgtcttgc atggttatgt taggaaatgg gatccagata cccaagccgg ttctatcgaa 1260
gaggaggtcc tcggtaagta cttgtga 1287

<210> 19467
<211> 933
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (41)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19467
agcatcttag caaatatcca tatgctcaca atcttcttct ntgagcagtc cattctggcg 60
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tcaacagttc cgcggccggc tccaacacct cattctcgat atacaaaata ttggatatct 180
cattcggctc tttatcatca ggtggctctt acgcttcaga tggtacgata cactgaattg 240
ctctgggaga tgatcgcgcg acgtcgaggt gaaaaagtac gctggcgcgt cgttgttctc 300
atcgagatca tcaaagcgac atgtcgcttg cttctactgc gcctcacaaa ttctaggcca 360
ctggtcagcc caccgttacc tgagcgcgag gtagatccta ggtctacgga ggaagaagca 420
agtgattgga atgggatgca gacacccgtc agtgagcggt ccgcggactt gagctggact 480
atgccgcgca ctggattatc gcttccttct ctacccgatg ccaacgacat ttccaacttc 540
ctcatatcaa aagtcttaac agctgatgat atcaagccgc cgaagtcgct gttgcaccgt 600
gtcagtggtc agggccaatt ggcagaagtg ctgcacatcc tgcggccggt catctatgca 660
ctagcgctac aaagatggcg gcaggacaag agaagctgga ggccctggtt gatcgggttt 720
gctatggagt atggttgtcg tcagcttgcc aaatccgatt tccgcgagcg ggtagcaggt 780
ggccttcgtg gcctcacagg gcttgaacgg gaggaactga gaaagcgagg ctgggctatg 840
ggatggtggc ttatgcgcag tgcattctat gagaacatta ccaagtatgc aatccctggc 900
ctttcatttg gggtgaagga aacgacgagc taa 933

<210> 19468
<211> 336
<212> DNA
<213> A.fumigatus

<400> 19468
cccagggtaa ttgtagatat cgcctatgct ccgtccggta tcgagacgag agatgtcaaa 60
gactctacct tccgctttgc taagctgctg agctccccat tcatcggctc tggaatcgtc 120
gaactgccgc caggggggtgt caagaaaccc aagaattcaa aaaagatgca catggtcttc 180
tacgtgtgtc acggacgggt ccaggtagat atatctggtg tgcaattcag cgccggaaag 240
ggctgtgtat ttcaagtgcc aagaggtaag gagcctcttc agggcgtgct cgccttgtgt 300
ctagctcctt tgcagttcat tgcgcatgct gattag 336

<210> 19469
<211> 348
<212> DNA
<213> A.fumigatus

<400> 19469
ggttgccatc attgcgcgga ggattcgggg attgggacct atgcaaagtc tcagaatctt 60
gacggcaatg cttcatcaga acaaggccaa cctacctctg cggtccttcc tcacctcggt 120

aatctcctcc atctcaccac tgggaagggc aagctgggtg ttacggatct tttcgtctcg 180
ttcacttatc tccaatcgtc tgagctcgcg aagatcatcg tcactgtctc gagggcgcac 240
gacgatggca agagggccgg tatccctctt gtcaaaatcg acctgatcat catatcgctc 300
caccatccgt actggagagg agagtccgcg acggcgccca tggactga 348

<210> 19470
<211> 1320
<212> DNA
<213> A.fumigatus

<400> 19470
cctctattgg tggtactgca aacaagacat gatccaggcc ttcatcgggg gcggcggact 60
tatgttagtg actgccctct ttcgatcatt ggccatttaa catgctcatc gtcaactaga 120
ttacctttt cccgttgggg ccagtgccca ccacgagccg gtatcggccg tttggacgct 180
gtctacggct cagcggacca tctatggcta ctgctcgccc ggctcactga tttcgggtac 240
cgagacagaa aacgaaagtt gcatgtagct agaaccactg gtcaagattg gagaccaggc 300
ccgagtcttc acaaattcat gtctcgcttt gccaagggca gtgcgaccgt accaagaggg 360
cctcctccgg gatctgcgca aaaccgtggg ccggaaccta accgccagtc acccgtggat 420
ggtcccagtg cagggagaga aaattcacct cccatgtatg gcatggttcc accgagagga 480
ccgacacgtc tcccttcggc gtttgctagc acagcacatc gaagcctgtc gccgggtaag 540
gatgaagagg gagatgtcat gtcatataaa gatgcagaga gcgaatggga agatattcgg 600
gctgcctttg ataccttcgc cggtgccctc ggtccagatt tccttcctct gccagctgac 660
actatccctc ctatagcgac ccctttcggg ccagcgctac agtatcgtac gcatacggtt 720
gcggtgttgt ggggatttta ctatgcaggc cgaattctat tgcacagact gcatccatca 780
atgccacccg ccatgatggt tgctgcaggc gtggcagcgc ccacgactgc tgattacgct 840
cagattatcg ggaaagtggc cgctggtata tatttccccc agtggttcaa cgtggaggcg 900
gggaaattga gccctacctt gggggcctgc ttgattgaga tgactgtgcc tattttcttt 960
gcagccgttc agttcgttga cgctgcccag cgcagctgga ctatttcgaa gctacgggat 1020
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tgggccgtcg ccgcaaagca agggcgcggt cctccgtatg agcgcacgca agagaatctc 1140
cgcaaacgac ccaaggagga cccttcaccc aatgaaggcg tcagtgaaga acaccatgca 1200
ggcgtcaaca cagagaggag actcgttact attagtaaat cgatgcatgt tcactgggca 1260
atggggctct tgagcctgga agacgacgtc ctgatcatgg aaacagacga ccggagatag 1320

<210> 19471
<211> 675
<212> DNA
<213> A.fumigatus

<400> 19471
cccttcctgc tgtacagttc acagtactcc aacgaggcct acgactaccc gcccaacatc 60
cgcgaatcct tcaatgacct aggccgcact atcagcgaaa aggtccagct tctgtcgcag 120
gcttcttctc ctgccgaggc ccaggcggcc ctggtcgctc ctccatcggc caaaccgcag 180
cccaagacgt ttaaccatgc catcgcgcgc gcctctctgg ctggatctca gaccctggca 240
caggtccatc ccggcgagga cccgctggcg accgcgctcg agaagtacgc gctcgcttcc 300
gagaaggtgg gcgaggcccg tctggcgcag gacgctcaga tccagtcgcg cttcctggct 360
ggctggaaca ccaccctgaa caccaacctg atgtttgcgg ccaaggcgcg caagaacgtg 420
gagaatgccc ggctcatgct cgactcgatc aaggccagga ggaaggcggc tgccggcggt 480
gatctggaca acctgagcga ggaggcgcgt gcggagattg agcaggcgga ggatgaattt 540
gtcggccaga ctgaggaggc cgtgagcgtg atgaagaatg tatgtttcgt tcctcatctg 600
catgagagta cacccgcact cacacggtct aggtccttga caccccctgag cctctgcgga 660
acttggcaga cttga 675

<210> 19472
<211> 1551
<212> DNA

<213> A.fumigatus

<220>
<221> unsure
<222> (8)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19472
ttgcaccncc gcggatcctt tcagccccgt ggtgaagacc aagaaactaa catagataca 60
ttgcaacctc gaccgcagca gtatgaatct gcacgtcttg tcgccgttcc cagcgcacct 120
ggaacattgc cgtatggatt tccgcagctc caactggata tccaaaatca cgactatttg 180
cgacatggaa cgagtgcgcc aacttacaat gtcgttccgg caagagatca gcagtttccg 240
ccccagcagg cttcagcgtg gcctgaacct ccagtgccgg tcatgaatcc gcaagggacg 300
tcgatggatc ccaccccagc atttgcaact gcaccaattc ctcaggtatg tgaccacatc 360
ttaatcgggc ttgtcacttc ctactcaacg ttgtaccaga agtttcatca agctggccca 420
gcaaccacta ccgcgttcgc ttccggtacg cgacaggaac aacaaccagt gcatgagcct 480
accgccatcc cgctgatgac atcttcaaag gaattcatct acgtggacga cgaaagcgaa 540
gagtactatg atgtcgaatc tgatgaagaa atggaggagc aaacatcggc cgaggacttc 600
aaccaactca gcctcattgt ggcctctgct aatcaagatg aacggcagct gcggtctttc 660
acgacctacc tgaacgaacc caacatgctt gcttcttatc accccactct tggctcgtct 720
cccttgaata atccaaaaac agctcgaata tttgtccact tcatccattc aactgggcca 780
tctttatcaa tcttcgagcg acatcctgca gattctgcac acacgcttgg ctcacctgtg 840
ccagcagctc agcaaggcct gtggacacat acaatgcctc tcaaggcatt agagcaccaa 900
gcattgcttc aagccatact tgctctcagc agcttacata tctcgtatct gcaacaagct 960
cctccgactg tttcgttgaa gcactatcat tatgcgctca agagagtcgg ccatgcggta 1020
ggtctgcccc aaaggcgcaa acaggttggc accctggctg ctactctcct gttggcatat 1080
tacgaagtga tgacagccga gcattcgaag tggaacagcc atgtcgcagg atcagcccag 1140
ttggtacgtg agattgactt cgccaccctc acgcgtgata ttcgatctca ccggcggagg 1200
gtgtgggctc aacggcagcg actgttggaa gcccaatcgg cttatgccgg ttactatgcg 1260
tttgacgaag agtttttgga gatgacctat ttgctgaaaa aaaaaagcag cattgatgag 1320
aatttcatag gttctcttct gggtcgagcg gttaattttg atcagtttgg ccaggtagag 1380
gatggacgta ctcgccagcg agaaagacat ttcacccgga aagacattga gacctacaga 1440
atccattgtg acctctattg gtggtactgc aaacaagaca tgatccaggc cttcatcggg 1500
ggcggcggac ttatgttagt gactgccctc tttcgatcat tggccattta a 1551

<210> 19473
<211> 183
<212> DNA
<213> A.fumigatus

<400> 19473
catgacggtg tcatttccca cagtgcgagc ttcaccccct ttgctgcgcg cacacagcag 60
ttgatcaagg agcagttggg tcaggctgaa gacaagaccc aactccctga tgaatacatc 120
gagctcgaga agcgcgtgga tgcgctgaag ctggtacacc agaagctgct ccaggtgacg 180
tag 183

<210> 19474
<211> 720
<212> DNA
<213> A.fumigatus

<400> 19474
aaattggctg acgatcttcc atttgctgat cacaggaagt ctaatcgact cgaattctac 60
tctcccacgc cagatggatt ggatcttgtg gcctcgtgcg ccatctatgc gaaggtgaca 120
atgctggctc gccttccggc tccggctaat tcccctacgg accatctatt cgtcggcacc 180
gatcgataca cctacttcac attatcttgg gacagttcag aaaagcgagt ccgcacggaa 240

cgtgactatg tcgacatgtc ggatccatca tcgcgggagt cgcaaacggg aaaccgatgc 300
ttgatcgacc caagcggacg gttcatgacc ttggaaatat atgaaggtgt tattgcagtc 360
ataccgatta ttcaactacc aagcaagaaa agaaggaggg ctgtggcctt gccctcaggc 420
ccggatgctc ctcgggtggg ggagttgggc gagccgacaa cagcaagaat tgaggagttg 480
ttcgtccgct cgtcggcgtt cttgcatgtg caagaaggcc ttccgcgcct ggctctactg 540
tacgaagata accagaagaa agtcagactg agggtgaggg aattacaata ccatgcggcg 600
accgggagca acagcactgc cgacgctaca ttcggggaac cggcggactt tacccaagac 660
ctggaactcg ggtcttccca cctgatccca gtgcctgctc ctttaggtaa cttaccataa 720

<210> 19475
<211> 801
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (776)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19475
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gaaattatat cccgtccctt ggatgaagcg accattttcg tggcctggga acaggtggat 120
agccagcgat ggctacttgc tgacgattat gggaggctct tctttctaat gttggtcttg 180
gactctgaca gccaagtcga gagctggaag ttagaccatc tgggcaatac atcccgtgca 240
tccgtcttag tgtaccttgg cggtggtatc ctgttcctgg gttcgcatca gggggactct 300
caagtgctgc gcatcagcaa tggaccattg gaagtggtac aaaccctatc aaacatagcg 360
ccgatattgg atttcacgat aatggatctt ggcaaccgct cgagtgaaag tcagacccac 420
gaattttcgt caggccaagc aaggattgtc actggctccg gcgcctttga cgacggaaca 480
ctcaggagcg tccgcagcgg agttggaatg gaggagctgg gtgtccttgg tgacatggat 540
catatcacag acctgtgggg cttacaggta ggaagcagcg gcgatttctt ggacacactt 600
ttggtcactt ttgtcgatga aaccagagta ttccgtttca gttccgacgg cgaggtggaa 660
gagatggacc attttcttgg gttgagcctt tcagaaagca ctcttctggc gaccaatctg 720
cccggtgggc gaatattgca ggtcactgag cagagggtcc tcattgcaaa aaatangggc 780
cggaatgtaa ttctcgaatg a 801

<210> 19476
<211> 1215
<212> DNA
<213> A.fumigatus

<400> 19476
actccaccga cccagttcat tataactgcc gcttctgcca acgatgattc catcgttctt 60
gttgcaggcg gcgagcttgt gacagtcttg aatattacca acgaagtcca ggtcgtaacg 120
cagaaggact ttggggcaga tagtcagatt tctggtgtca cagtaccctc atccccgact 180
ggggtctgca ttgccggatt tccccagctg gcaaaagttt cagtactaaa gcttcaggat 240
ctgtccgagc ttcatacgac gtcagtgggc atggctggtg aagcttttcc tcgttcggtt 300
ctcgtggcga atgtgctcac agacagcccg cctactctct ttgtttctat ggcggatggc 360
agtgtgatca cttactcatt taacacgaat aacttctcat tgactggaat gaccaagcta 420
atattgggct ctgagcaacc tactttcaag aaattaccaa gaggctctgg cttgttcaac 480
gtcttcgcta catgcgagaa ccctagcatg atctacggct cagaagggcg gattatatac 540
tctgcagtga actccgaagg cgcctcccgg atatgccatt ttaactcgga ggcctatcca 600
gagtcgatag cagtcgcaac atctcatgac ttgaaaatcg ctctggtgga caaggaaaga 660
acaacacaaa tccaaacgct tccaatcggg gcaacggtca gacgtgtagc atactcgcct 720
tctgagaagg ctttcggtat tggtaccatc gagcggaagc ttgtcgacgg aactgagatc 780
gtcaaaagca gatttgtgct tgctgacgag atattgttcc gtcgccttga cgctttcgag 840
ttgcggcctg aggagttagt ggaaagcgtc atccgtgcgg agttcccggc gggcaaaggt 900

gcaaatgaca gagatgaggt caaagatcga ttcattgttg ggacagcgta cttggacgat 960
gaaggagacg agtcaatccg tggtcgtatc ctgatctttg aggttgacaa tggccgaaaa 1020
ctgactcagg ttgctgagct acccgtcaaa ggagcttgcc gagcattggc catgctagga 1080
gacaaaatag tggctgcact cgtcaagact gtaagcgttc attctccact ggtctacctt 1140
cttctacgct accctactaa cgctccacca aggtcgtcgt atataaggtc atcaacaaca 1200
atttcggcgc catga 1215

<210> 19477
<211> 270
<212> DNA
<213> A.fumigatus

<400> 19477
gaatcatatg gctctctcgt aaatatttca tcggtctcat tgcacaagga aattgtgaga 60
agcctgcttc gggatgttct ttactttac aaggatggtt cggtggttga gcctatatat 120
tccctcgctg ctttggagta cggagtacat tatattgctc catcctccta cgtagatgga 180
atcggaccct taatcttaag ttatctctct atcgttatca aatcagccaa acaaaacatg 240
actctctgtt gcctaggagg aagccaatga 270

<210> 19478
<211> 1881
<212> DNA
<213> A.fumigatus

<400> 19478
ggacaagtct gcttatttga acgacaacaa tccaacatgg cgcaacttga cacgctcgat 60
attgttgtcc tggtagtgct cttggtgggt agcgttgcct acttcaccaa gggctcctac 120
tgggccgttc ctaaagaccc ctatgccgca gcgaattccg caatgaatgg cgccgccaaa 180
acaggtaaaa ctcgggacat catccaaaag atggaagaaa ccgggaagaa ttgtgttatt 240
ttctacggtt ctcagactgg aactgccgaa gattacgcgt cccggctagc aaaggaaggt 300
tcccagcgtt tcggcttgaa gaccatggtc gctgatctcg aagattacga ctatgaaaat 360
cttgataagt tccccgagga taagatcgct ttctttgttt tggctaccta cggtgagggc 420
gagccaaccg ataacgccgt cgagttttac cagtttatca ccggtgagga cgtcgctttc 480
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atggaggagg acttcttggc atggaaggag cccatgtggg ccgcgctgtc ggaatctatg 720
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agccccaagg gtccctactc ggcacacaat ccttacatcg ctcccatcgt tgagtcccgt 900
gaattgttta cggccaagga tcgtaattgc cttcacatgg agatcggcat tgctggcagt 960
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gaaagtggca aggacgttgg acctacgatt ctgttctttg gttgccgtaa tagaaatgag 1800
gacttcttgt acaaggagga gtggaaggta tgtttgcagt cttcttatga gcacattcgg 1860

agccgtttgt ctgactctta a 1881

<210> 19479
<211> 297
<212> DNA
<213> A.fumigatus

<400> 19479
gtctatcaag agaaacttgg agacaagctc aagatcatca ctgccttctc tcgtgagacc 60
gccaagaaag tatacgtcca gcaccgactg caagagcatg ccgaccttgt tagcgatctc 120
ctcaagcaga aggctacctt ttacgtctgt ggagatgcag ccaacatggc tcgggaagtc 180
aatcttgtcc ttggtcaaat cattgccaag tctcgtggct tgcccgctga gaagggtgag 240
gaaatggtga agcacatgcg gagcagcggc agctaccagg aggatgtctg gtcgtga 297

<210> 19480
<211> 192
<212> DNA
<213> A.fumigatus

<400> 19480
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tacgttcaag tcaatactct tatgcttttt agtaggttgt tgcatgagac tgttctagtt 120
tcccgcatga tacaactcta cttctatttc tacagactac tcggtatacc caaggaagaa 180
gacatctgct ga 192

<210> 19481
<211> 189
<212> DNA
<213> A.fumigatus

<400> 19481
gtgttctttc gcgtcctcac cgaggctgta tcctttaaat ttctcccttc tgtgttcctc 60
atcacgagtg agcagatctt cactgctcaa tttttttta ccttaggatc gcccgccact 120
atcaccagag ccgtcccccg gaagtccggc gagtatcccc cgagaggcca cgcttactcg 180
aattgttaa 189

<210> 19482
<211> 585
<212> DNA
<213> A.fumigatus

<400> 19482
cgctccacca aggtcgtcgt atataaggtc atcaacaaca atttcggcgc catgagactg 60
gagaagctgg ccagttatag gacctcaact gcaccagtgg acgtaacggt gacgggcaat 120
ttgatcgccg tctctgatct tatgaagagc atgtgcctcg tggagtataa ggagggcgag 180
aacggcacgc cagatacaat gacagaagtt gcgcgccact ttcagactgt atgggccact 240
ggtgttgcca acattgcacc ggatactttc ctggagagtg acgccgaagg taatttgatt 300
gtccttcatc gtaacaccac tggagttgag gaggatgata agcgtcgctt ggaagtgacg 360
ggtgaaatct cgctgggtga gatggtcaac cgcatcagac cggtcaatat ccaacaattg 420
gctagtgtgg ctgttactcc acgagcattc ttaggcactg tgagtttctc tcttttcctt 480
ctcacgaatt ctgcgagacc gactgaccga accaatcacg accacaggtg gaaggttcta 540
tttacctatt tgctatcatc aatcccgatc accaggactt cttga 585

<210> 19483
<211> 279
<212> DNA

<213> A.fumigatus

<220>
<221> unsure
<222> (194)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19483
gggtactgtg acaccagaaa tctgactatc tgccccaaag tccttctgcg ttacgacctg 60
gacttcgttg gtaatattca agactgtcac aagctcgccg cctgcaacaa gaacgatgga 120
atcatcgttg gcagaagcgg cagttataat gaactgggtc ggtggagttc attcgagaat 180
tacattccgg cccntatttt ttgcaatgag gaccctctgc tcagtgacct gcaatattcg 240
cccaccgggc agattggtcg ccagaagagt gctttctga 279

<210> 19484
<211> 591
<212> DNA
<213> A.fumigatus

<400> 19484
tcattaccat ccaccatggc gacctccgaa tcctcctccg tcgtatccga cgccctaaac 60
gacttcttca gccaactcta caccttcatc gaaacagttt tcagacgctt cttcaagaat 120
ctgtacagat cattcgttga aatgagcgcc aagcgctgga cgaaaatcat cgtcattgtc 180
gttgtttaca tcctcatccg tccttacatc gaagcttggt tccgcaaaat ggccgaaaaa 240
gaccgcaaga agcaattgga gaaggaaaag gcagagcggg aagccaagag aaagaataag 300
gccaagattt cagctaatgc actgcgtggt ggcgccaccg gtggcggcaa agtgctaggc 360
gaggttgaga atacggacga tgagatcgag agcggcgagg actttgctac cgccagtggt 420
gtgccagagt gggggaagaa cgcaagaaag cgccagaaga agtatatgaa ggagctgcag 480
cgggaagcgg agcagcggac ggataaactg tccgatgagc agctccttga attgcttgat 540
tggagtgaat cagaggatga gaagaagcag gaggaaacga aagaggagtg a 591

<210> 19485
<211> 258
<212> DNA
<213> A.fumigatus

<400> 19485
atcagccttg gatcaagtgc agaagataca gcaataataa gctgcatcgc ttttcaggtt 60
aatgatactg atgctcgaat gctggcttgg ctggtgatgc aggaagatgg aaaagctcac 120
ttgagctact acttaagctg ccagggtcat tattgggtcc gaacgtcgac ctacggaatg 180
acgattactt gcgggttcca attaattcct gaatttttat tatctccgac tctagggccg 240
atccgcacac ttcagtaa 258

<210> 19486
<211> 1224
<212> DNA
<213> A.fumigatus

<400> 19486
gtaattcgtg gtcacgccct tgacgatatg ggacgcacca ggcaagcgga cagattcaac 60
gacagctgtg atactaatct tatccttttg aacaagggag gaagacgaga tggagtagta 120
acgaggctga agcctgttga ggccttcgat aaggagcgaa cacgggacag cagagaacgg 180
cttcgaggtg atattctgaa gagcctgagc gatgttgaag cattggttgc tgatcttctc 240
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ggcgaatggc accaaagagg acacgaactg acgcgaaaca ggtgcgcaaa tttccatgta 360
gaagcgaacg gccgcgtcgt atgtggttgg ggtcggaatg ggaaccttgg cagtgacatc 420

aagacctttg atgttaataa ctgtatggcg attcttttca atgccaaaga cctcgaggaa 480
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agtgaggtta ctgccagcaa tgccgatctc catgtgaagg caattacgat ccttggccgt 600
aaacaattca cgggactcaa cgatgggagc gatgtaagga ttgtgtgccg agtagggacc 660
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ggggctcaaa gattcatctt caatcacaga gaaaacaggt tcatagacag cctcgcgctc 780
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aagctttgta agagcagcat cgacgtggcg aaccatagca ttgtagtgct cgtaggtgtt 960
gttaccaagg ccgaaagcaa catacttgag ggaggagagt ggcttttcct cagcggaggc 1020
accactctcg aaagcgacgt cctcaccggt gataaactgg taaaactcga cggcgttatc 1080
ggttggctcg ccctcaccgt aggtagccaa aacaaagaaa gcgatcttat cctcggggaa 1140
cttatcaaga ttttcatagt cgtaatcttc gagatcagcg accatggtct tcaagccgaa 1200
acgctgggaa ccttcctttg ctag 1224

<210> 19487
<211> 702
<212> DNA
<213> A.fumigatus

<400> 19487
agctatcgat cgccaaccga acatttatcc tatcccaagt ccccaacctc acatcttacc 60
gggggatttt ggcttggctt attacatttc aacatgtccg ccacaacagc agccaccgac 120
ctggtgagca agctccctct ccgcctacgc aatttcttcg cccgctatcc tccgcaaatc 180
tactccgcgg ccgtacgccc tccgatcact gaacccgaaa ctgcggccga ggaatccctt 240
ccatcgccat acacgcccaa cagagacgca aagggcttca aaaagcccga cccaaaagcc 300
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cgcaagaact tccgcaatgg caagtggatc ggcccgccca tcgggctgag gagacaggcg 420
gagctggtca agttggctat caagtataat gtggaggctt tgctgccgcc tgggcgcaag 480
tcgaccgagt ataaggagac aagacgggcg gagcgcggac tggcgatcaa gggtaccggt 540
gttggacaga aggtcaaggg tcacaaatgg gagcggacga tggaagctcg tttggaggac 600
agacgcaagg ctatgatgga gatgccggag atgatccggt tgtggaagca ggtaagcatt 660
cagttgatgt ttgagtgtcc ggttggaatg tgtcgaggct aa 702

<210> 19488
<211> 744
<212> DNA
<213> A.fumigatus

<400> 19488
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accttgagag ccgcctggat attcgagaac agccagacaa aggatgctct tatggccttc 120
cagcgctcgc ttgttagtag caaggcacag gagctcggct gggaattctc tgacaaggac 180
ggccatattc tgcaacagtt caaggctctt atgttcggta gcgcaggaat ggccgaagat 240
cctgttgtcg tcaaggccgc tcaggacatg ttccagcgat ttgctggtgg tgacctgggt 300
gccatccacc ctaacatccg cggtagtgtc ttctccatcg tcctcaaaca cggcggagag 360
aaggaataca atgtcgtact ggaccgtttc cgcaacgctc ctacctctga tgagaagaca 420
accgcgctgc gctgcctcgg ttctgccgaa gatcccgctc tgattcagcg tactctgggc 480
ctggccagca gtgatgaggt taagaaccag gatatctaca tgcctctcgg aggactccgt 540
ggctcgcctg ctgccattga agcccgttgg gactggatga agacgaactg ggacgccctt 600
tacaagcgtc tgccccctgc acttggtatg ctgggcacag ttgttcagct ctgcactgct 660
agcttctgca ccgaggagca gttgaaggat gtgcagacat tctttgagaa caaggatacc 720
aaggtgagtt ttgacgcctg ttag 744

<210> 19489
<211> 810

<212> DNA
<213> A.fumigatus

<400> 19489
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ggggggggaa tggacataca tgacgtctgc atcctcgttg ccgaggaaag tgatagccac 120
accactctta cctgcacgac cggtacgacc gatacgatgc gtgtagctct cgatggagtt 180
ggccatattg aagttgacga cgagactgac gtcggggacg tcgataccac gacctgcgag 240
atccgtggcg acaaggacgt ccgtcgagcc gttacgcacg gaggcaagcg cagcttcacg 300
ctgttcctgg gtcttgcttc cgtgcagggt aacggaggag aagcccattt gtttgatctc 360
acgggcgatg gcgtcgcagt tgcgcttgat gttgacgaag acgatgatcg ggggtcggaa 420
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ctcgacgcgc tgctcgacgg tgtcgaccgc ctcgccggcg ctgccgatcg tcacgatggc 540
gggccggcgg aggtatttgc gggcgatgcg ctcgacggcc gagggcatgg tggccgtgta 600
catcattgtc tggcggtagc ggtgactcct catggcggcg gagttctcgg cttcttccgt 660
gtcgggcttc tcgttggtga cgggaagggc gtcgaggatt ttgttcacgg gctcctcgaa 720
gccgagatcg atcatccggt cagcttcgtc catgatgacg tagcagcact ggctaagcac 780
gaggagacgg cgctcaatgc agtcaactag 810

<210> 19490
<211> 285
<212> DNA
<213> A.fumigatus

<400> 19490
gaaattccac agcccggggt gcggctaagc cacatcagtt taggcttggc agcgagaaaa 60
ggcggcagat gtgtggctgg tgagagtggc ttcttcctca acttggtgaa gttctacctg 120
tgtctctccc gcaaccgtct cacttgtgtt attcaggagt ctttgtctcc tccgttcatt 180
gcattccctc tttctcaagt ctctccattt atcgcgtatt actccttctc gcctgtcctt 240
gcgctgcttg caccttttgag tgattgccat tatggcggac tttaa 285

<210> 19491
<211> 243
<212> DNA
<213> A.fumigatus

<400> 19491
ctaacagatg tacatctcag gccgatgacc ctgacaactt cgagacgtgg gagaagcttg 60
ttcgcgctgc cgaggcgctg gaaggtggaa tcaatcgcaa ctccaatccg ccaggccata 120
acaactgtca gaaacgtcta cgatcggttc ttggctaaat ttcccttgtt gttcggatac 180
tggaagaaat atgccgacct agagttctcc atcacgggta cagaagcagc ggacatggta 240
tga 243

<210> 19492
<211> 1488
<212> DNA
<213> A.fumigatus

<400> 19492
tgtttgccat ccttgccatc ccccctttcc gtataccctc ctttaccccg tttctgctca 60
aacaatgtgc tagttgctgg ggctaacata cttttctgca ggttgttcga gcgaggagct 120
agcagcgtcg gattagattt cctggcgcat cccttctggg ataaatatat cgagttcgaa 180
gaacgagtcg aagctcctga aaagattttt gccattcttg gccgcgttat tcacattcca 240
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tcagaattgg cgcctgcgga gactttgtct caattccgcg ccgagcttga agcagccgct 360
ggccagatac cccccggcgc aaaggcagaa gcagaaatcg agagggatct ccggctccgt 420

gtcgacgctt accatcttga aattttctca aagacacaga cagagaccac caagcgatgg 480
acctacgagt cggagattaa acgcccatat ttccatgtca cagagctgga cgaaggtcag 540
ctaaccaact ggaaaaagta cctggatttc gaagaggcag agggatcata tcctcgaatt 600
cagttcttat acgagcggtg tctcgtgaca tgcgctcatt acgacgagtt ctggcagcgc 660
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gtggctactg ttgtggaccc aacagttgct gccgccggcg ctgctcctca aaccagccca 1440
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<210> 19493
<211> 2010
<212> DNA
<213> A.fumigatus

<400> 19493
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gaccgaagcg ggacgcaatc accgtcagtt taccccgaga ctcccaacgg cgatgagagg 180
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gctctggaag accgcgatcg ggaagctgga agcatccgag cgcgagagat actggagatg 660
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aagttggaac acatgcgcga gagggactgg cgtatcttta aagaagattt caacatcagt 780
accaagggcg gtagtgtgcc gaatcccatg cggtcatggg aggaatctgg ccttcccaag 840
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<210> 19494
<211> 639
<212> DNA
<213> A.fumigatus

<400> 19494
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tacaggtatg atctcaagca gatgctcatg aagtcgccca tctctcgcgt ccccgaagaa 540
ctacgcaagc acgaagccgc ccagtctaag cctaaccggg gactggcgaa aaagagtgac 600
gacagctcag gatttgggac taaaagtggg tggcagtag 639

<210> 19495
<211> 1608
<212> DNA
<213> A.fumigatus

<400> 19495
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ttccatgcac ttgctgggga ttcagagctt tggaaaaggc aatattactc gcgatgggtt 120
cgacctcgag cacgccgagt ggccaatatt cggcatgcta cactttgtgc gtcaaaggca 180
acgtactcgc cacacgtttc aacatggttg ggccattctc atttagctga gggaaaggtg 240
acgaattgga agagacagta tcgccttagg cataattggt ccaagggaat ctgtcaagta 300
actgaagtcg aacttccaca acccccgcac tccccaatgc tgattaggtt ctgcgcgggc 360
tttgtcttca cagcagactg tgagcatggg ctgaggtgtt ggcgtgctag ccatcaaata 420
tcatgcactg ctagactccc ccttgtgcag tccgaattag aaacttcagc attccctaca 480
gcgttggcgg tgagccgctg cctagcgcag aatcttatca aagtaacagt gggatttgca 540
gacggtcgtt tcggcgtcta cgatatggat actaaatcgt tatatctgag attacgctct 600
tccaatgctg cttctgctga tggggcaatc accgcaatgg ccatatcgaa ttcttacctc 660
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gcacattcga aaatcattgc atctattgtt tacagctttt tccatattgg ctgtggctgg 900
tcattgggga tccaagaact gcattttggc aagaatggcg agcagattgg ttctcgactt 960
gcaaccactg ttaacgctca gtatggagca atgccgctgc atcatcttac tcgttcgagg 1020
agaggttatt cttcatcttt tcaatccgaa ccatcaagcg gggagtctct cgtggaactg 1080
acagagccgt ccatattaca ccaagaaacg ccaacctcca tttcctattc ccacccgtat 1140
ctcttgacgt cgcatgcaga taacactttg acagtgtatc tcgtcgtttc cactggtgca 1200
aagctcttca tcaagggagg tcagaggctc tggggtcata cttcgtcagt atctgcagtg 1260
caagtgagcg accacggaaa ggcgatttcc gtgagctctc gcggcgacga aattagagtg 1320
tgggagcttg agagtttgat tccgtctctt gggtcttcaa aggaagcaag ggtggagaat 1380
agcatccaag tcaatcctga gaacaagctg tgcaaaatac atgggggcgg ggctccccta 1440
gcattgtttc ttgcttgcca gcattgtggg ccacaattag cctctgggca gatgtctcgt 1500
gaatacgctc ggatgggaga ttgtgttggg tttgatgatg agcgtctact tctttccagt 1560
cgaaaggaaa ctggggcgca tttaatagca atgtatgatt tcacatga 1608

<210> 19496
<211> 420
<212> DNA
<213> A.fumigatus

<400> 19496
aaaaaaattt ccctgcgaaa cagaatcaat caacctctga tcaacctctt ttctgaaaag 60
gaaaaagaaa ttcaatacaa caaaatcact ctccctgttt tcgcccacat actatcaaaa 120
tggaatatca agctggaggt cgtggatgct tcaactgtga gtccttgcaa acctaacaag 180
aaaatctctg cgattgtcaa tttgtgcgta ctgcgctctc acccatatct atctcactgt 240
cgatgctttc ctctttattg tgctgtttgc atcagtcgct ttcaatgtat ccaaagaagt 300
cgctggtcgc gccagccttc tattaacaca ttatgtctcc tcgcccgtgt tctttatttt 360
ttgcgtctca ctataatgcg cagttttgaa attttggcca tttgttcctt tggaaaatga 420

<210> 19497
<211> 375
<212> DNA
<213> A.fumigatus

<400> 19497
ctggttgacc aatggcatct ccttccttta ggccgcgagt gtacagtagc tcctaaggag 60
aagtcgtgct accgctgcgg tgttgctgga cacatttctc gcgagtgttc ccaggccggt 120
tcgggcgata actacaatgg tgctcccagc ggcggccaag aatgctacaa atgcggccaa 180
gtcggccata ttgcgcgcaa ctgctcccag ggcggtaact atggaggcgg tttcggtcac 240
ggaggatacg gtggtcgcca gcaaacttgt tactcgtgtg gtggctttgg ccacatggcc 300
cgcgactgca ctcatggtca gaagtgctac aactgtgagt ttctcgtcaa tcttcgtttc 360
gcacttgttg agtaa 375

<210> 19498
<211> 1278
<212> DNA
<213> A.fumigatus

<400> 19498
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cgcttcgcgg agacttggct cagaattggg agctttgatc tgccgcattc gcgtggcaac 180
cgagacctca tcagaaagct agcgacgttt accgccgagg acgtttttgg aggatgggaa 240
acgctgccag gtgttgtatc cttaggttcg gatcaatccg cagatgccgt cgataatcct 300
gccagaggca ttccccgaga ccatgcagag gaacaccagg gtgtaactga aaatcgattt 360
gcacgactat accgtgagat agtgcgtcgc aacgcgaaga ccgtggcagc ctggcaagcg 420
tatggtttta tgaatggcgt actcaacacg gataacacct cgatcttggg actgtctctc 480
gattttggcc cattcgcctt tatggacaat tttgacccac agtataccc gaaccatgac 540
gaccacctgt tgcgatactc ctataagaat caaccaaccg tcatctggtg gaacctggtt 600
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ttcttgaaag atgggttaac cgaagaaacc gcaccacctg ttgtgaaacg cgctgaggcc 720
atcattgaac ggaccggtga tgaatacagg agcgtgtttc tgaacgaata taaacgcttg 780
atgagccgca ggctaggatt gaagacccaa aaggagtctg atttccacga actgttctcg 840
gagatgttgg atacattgga agctctagag cttgatttca atcacttttt caggcgactc 900
tccaacgtag cacttgctga tatcgagact gaccagcaac gaatggacac agcacccatc 960
ttctttcaca gcgaagggtt cggcggtatt ggctacacag aacggtctgc aaaagagcgc 1020
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gacgcagatc gacagaaaga tatgaatgcg gtcaacccga aggtgagtct caagcgtttc 1140
cttttcctca cgtcaagttt gttcatctta tgctgcctgt accttgctca caccctcgcc 1200
atggtatcga ctcatgatgc ctcgctgacg tgtacatgct acagtttata ccacgcggat 1260
ggattctcga tgaagtga 1278

<210> 19499
<211> 471
<212> DNA
<213> A.fumigatus

<400> 19499
agacgctgtt ttatgtcttt gcggagtaga ctcagccgat taaggtctat gcgatatcct 60
ctgggccaca tggcaaacca actctcgact agggcagcag gagtttccct tgcagaactt 120
ccgaaatcta atgtgtttac aacaaagctc cccccagatc ctgctttcga gaccccggag 180
tcttctcaca aggcgcccag agagactctc ggtccccgtc tggtgaaagg agctctatac 240
acgtttgttc ggccggagcc agcaggggaa accgaattgt tgagcgtcag ccctaaggcg 300
atgaaggacc ttggtctgaa aatgggcgag gaacttacgc ctcaatttca agcattagta 360
tccggaaatg agatctggtg gaacgcaaag gatggaggaa tttacccgtg ggctcagtgc 420
tatggaggta tgacgaactc gcggctcgaa agcatacgaa gcgattgtta a 471

<210> 19500
<211> 192
<212> DNA
<213> A.fumigatus

<400> 19500
aatgagcctc cggcgagaga aattgacccg tatcagcgag caattagcct gttcgagtgc 60
atcaatcctc aaacgaagcg ccgatttgaa ttacaattga agggagcgga aaagacgcca 120
tattcacgct tcgctgatgg gcaaggctgt tcttcggtcg agtatccgcg agtacgttgt 180
gtcagaaggt aa 192

<210> 19501
<211> 228
<212> DNA
<213> A.fumigatus

<400> 19501
tgcctcgctg acgtgtacat gctacagttt ataccacgcg gatggattct cgatgaagtg 60
atcgaacgtg tagagaaaag aggagaccgg aaaattcttg accgtgtcat gcaaatggct 120
cttgaccctt tcagagattc atggggcttg gacaaagatg aagaggaacg tttttgcggc 180
gatgttccca gatataaaag agccatgatg tgtagctgca gctcatga 228

<210> 19502
<211> 207
<212> DNA
<213> A.fumigatus

<400> 19502
cgcgatactg aagacagacg acccgagatg tctcaactag ttagggcaag cggcctggac 60
gtgtccaggt tgcttgcact tgtagcaaac tctttcaccc ttggcttcag tggggcagtc 120
gcgggataca tgtccaacat ctccacctac gaccattgtt actcaacaag tgcgaaacga 180
agattgacga gaaactcaca gttgtag 207

<210> 19503
<211> 672
<212> DNA
<213> A.fumigatus

<220>
<221> unsure

<222> (77)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19503
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ggtgtacagt ctcagtntaa aagaaacatc ttggcctatt tttccaaggg agatatcctg 120
attgggttta tcggtgacag tcaactggtc ggctggttat cgcacacacc cgccctggca 180
gaatccattg gtgcattttc tgtttcatgc cgccgtcggc tacatctcga tctcccccaa 240
gttgtgtgtt ccagattcaa agacaagatg gcatccgaac ccgcggctac tgtggccgac 300
ttggactttg ataacgagca gtacgactcc gcggaagatg aagatttcca gctcgatcct 360
gatcaagaag atgccgactt gactggctcc gatagcgacg atgaggcgac agaaccagca 420
gcgaaaaggc gcaaaacagg gcctaccaag gcagccaccg aagaccaaga actagactct 480
ggcgatgagg ccatgattga aaaagtgaag gccagaaagg agggcaagca aaaagggaag 540
aagtcacaag gcactgccag cgatgaggac gaggatgacg tggattttga tgacgatgat 600
gaaggcggtc caggggggctt tgtacggacg cgagcaatga ggatgcgaat gtgcgttgag 660
cctttgtact ga 672

<210> 19504
<211> 771
<212> DNA
<213> A.fumigatus

<400> 19504
ggatgcgaat gtgcgttgag cctttgtact gacttgtccc tacatccgga ggaccagtat 60
ttacttcttc acaggcagga agagcgaaaa ccactggcca agattgacgg tgctacggtt 120
gacgttgatg caatatgggc gcagatgaat gctcctgact ctagtgcagg cattctgcct 180
tcacagaccc aagcaaagga tgccaccctt gcgaaggacg aaaacaagaa tgccgatacc 240
gccgaggaac aggtgctttc gcctgattca aaacctcagt acaaggagga gatggtaaag 300
atcaaacgga cctacaaatt cgccggcgaa gtcatcaccg aagagaaaat cgtccctaag 360
gactccgccg aagcaaagct tttcctggct aaaggcgaga gcgtcgagac cgtcacagac 420
gccgatgtcg aacacgccgc gaacgcaaag gacgcgctca agctgcgcag acccctccgc 480
aagatctcgc gctttgaccc taaccccacc gggacgatca agaagagctg ggagaagcaa 540
cccacggccg ggatcaccgg tcagacagag aacattagcg gaccgaagat caacaccgta 600
gaaaagtctc ggctggactg ggctgcgtat gtggaccagg ccggcatcaa agacgagctc 660
aaggaacaca gcaaagccaa ggaagggttc cttggccgca tggatttctt gaatcgcgtt 720
gttgccaagc gggaggagga acgaagaaat gcgcggttga agggattatg a 771

<210> 19505
<211> 483
<212> DNA
<213> A.fumigatus

<400> 19505
agtacccgcg ttcttcccta ttctttcgct tctggtacgg tctctccgct attgaaagga 60
agtgaagagg gactaacgct gtgtcgacag ccccaacgag cactcacata cattaagcgc 120
aagcaagcgc acaaactcgt ccctgctttc ctcgcctgtt tcgagacgat gtggaatggt 180
cagttggata tttccaagcc ggagaatctg tccaaggctt tatcaaaggc attctcaggc 240
actgaggttg aggagatact ggctgcagca gcgagtcctg agatcaagca cgagcttact 300
gcgacgacag agagggttgt caaggagctg ggggcgtttg gatgcccgtg gttctgggtg 360
actaatggcg aggggaagtc ggaaccgttc tttgggagtg atcgtttcca tttcatgtgg 420
gatttcttgg agttgccgca tgaggatttg agattgaagg ttgacgaaaa ggcgaagctg 480
tag 483

<210> 19506
<211> 348
<212> DNA

<213> A.fumigatus

<400> 19506
cctctgttcg ttctcacacc taacttcttc cgtttgtgtc aacctgtcca ccctgcgaag 60
atgcccgcaa cccatttccc gtcgatgggc aaactcgccc tgggtgcaat gcaccttgcc 120
tctggctttc ataaccacaa tcttcagagc tgcccagggg acatcccagt gagttgcagc 180
aacacgaccg cagtgcctga ctcttgctgc ttcaattatc ctggaggatc gctcctcttg 240
actcaattct gggacaccaa tccggccact ggtccttcag attcctggac tgttcatggt 300
ctttggtatg cccgagcaga gggaaataat aaaaaatatg gccactaa 348

<210> 19507
<211> 249
<212> DNA
<213> A.fumigatus

<400> 19507
acgatcttct ccgacgctat tctgggtatt ttgaacagcc ccaccgacgt tgtgaacggc 60
caattgctcc tcgatgagga ctttttgcgc gaccattgcg gtgtttcgga tttctccaag 120
tacgctgtta tccctgggtc tcagccacgg cgaatcatgc ctaaggagtt gcctgtcctt 180
gaggtggcgg agcaggatga tgaaggtatg cgggtggata gtacgatgtt gagaaaggcc 240
aagctgtga 249

<210> 19508
<211> 207
<212> DNA
<213> A.fumigatus

<400> 19508
ctgtggagtc aacgaaatcc agatcagcaa tcgtcaaaga ttaacaaaat cgttcctggc 60
cactccttaa cggttcctca attctacccc gatggcctcc cgtcggctaa gcgacagtcc 120
tgcaactaca aattcgagac agatcatatg attggacaga ctctatctga tcgactcccc 180
gcctcgacaa ggatggcaac aaaataa 207

<210> 19509
<211> 762
<212> DNA
<213> A.fumigatus

<400> 19509
ctcaattctg ggacaccaat ccggccactg gtccttcaga ttcctggact gttcatggtc 60
tttggtatgc ccgagcagag ggaaataata aaaaatatgg ccactaacaa tcaacgcagg 120
ccggacaact gcgacggcac ctacgagcag ttctgcgatt cttctcgcga gtattcgaac 180
atcacagaga tcctccaggc gcagggcagg accgagctgc tgtcctacat gcaaacctac 240
tggaaggact accaaggtga tgacgagagc ttctgggagc acgagtggaa caagcatggt 300
tcgtttgtgc cgatctggca atcccgacca ggcactaatg atgatatagg cacttgcatc 360
aacaccatcg agcctagctg ctacaccgac tacaagcccc aggaagaagt cggtgattat 420
ttccagaagg ctgttgatct tttcaagggc ctcgatacgt acaaggtatg cattagacat 480
ggattattga tcattctgcg gctaacgggc caggctcttg ccgctgccgg catcactccc 540
agttcgtcca agacatataa attgagcgac atcctgtctg ctctgtctgc aatcaccggc 600
catgaacctt cggtcggctg cagtaacggc gagctgaacg aagcttggta ctttttcaat 660
atcaaaggca atctcatcaa tggcaaatac gttcctattg atccgcgtat gttgtctgtt 720
tatcctcagc cccatagaca acagctaacc tcaaataact ag 762

<210> 19510
<211> 444
<212> DNA

<213> A.fumigatus

<400> 19510
gatctaatcc aattcaatcg cagtgagaac tacgtaacac tgtctgctac gaagaggagg 60
atctggaagc ggatatggtg gacactgtac acgcgggatc gatcggttgc tgcagcattc 120
ggccgccctc ttcacatcaa ttccgaagat tgcactgtgg aagacctgaa agaaagtgac 180
tttattgagt atgatgagga aaatgacagt gcaacagacc gtacagcaat cgtctttttt 240
atgcagtacg tgaaactctg ccagctaatg gaccttggtc tgtgcttgaa gctgtcttcc 300
aggtcgacag aggacagtcg gatgaagggg gctgcgcaat gcgaacttgg tctgaatgac 360
tggcttgtct cttgtccctc cgagctgcag tggagacagt cacgtcataa cttttggtca 420
gcgatattgt attcgacctt ctag 444

<210> 19511
<211> 426
<212> DNA
<213> A.fumigatus

<400> 19511
acagttgatc acttggatcc tcttgacgtg gacatactgc atcagcgaca tgcctttgat 60
ttaccctcgc aggctgtctg tgatgctctt gtggacgtgt tcttcaagtg gattgcacca 120
gtgttgcccg tgatcaatcg gcacgacttc atgcgtcgtt atcgtaaccc tcaggaccct 180
ccgtcaatcc tcttacttca agccgtactc atggtagctt caagattcca ttatgatgcc 240
cagagctctg gaaatggcat aatctctccg cgcatcttat acaagaaagt gaaagcttta 300
tatgatgctg gatacgaaag agaccctacc acagtcctcc aagctgtagt gttactaggc 360
gtgtactggg atggccctga tggtaggaca ttgctcaacg cattgatgtg tattgtgttg 420
tgctaa 426

<210> 19512
<211> 546
<212> DNA
<213> A.fumigatus

<400> 19512
acctggccaa gaatggctac aaaggtatgc tcgaatcaca cgcacatctt caagcatgtc 60
actgacacta ttctagtcgt cgtggcggca aagaccacct ccaacgccta tgctactgtt 120
cccttcccac cagatccgaa ctcctcgcaa tcgaccatca acaccgttga gcgagagatc 180
aaagaatccg gtggcgaagc gttcgctctc ccagttgacg tccgcgacgt gaagcaggtc 240
gagaacctgg ttcacgaggc agttcgcctg acaggccgtc tcgatgtcct ggtctacaac 300
tccggggcta tctggtggtc ttccgtcgcg aatacgccca cgaaacggtt ccaactcatg 360
cagagagtga atccagaggg tctgtatgcg agcgtgcagg cagcattgcc atactttgag 420
aaaaatgggt ggaagggacg gattattgtt gtctcgccgc caatctactc gcggttcttt 480
cgggggaaga ccgcttatgc gatgggtatc tcttctgtgc tcccttcaca cagaagtttg 540
ggctaa 546

<210> 19513
<211> 210
<212> DNA
<213> A.fumigatus

<400> 19513
ccttcgcgaa atttcgccgg ctactcgccg ttggcgtggc tggtatctgc accgctcttg 60
gttttgtggt cccgcaatac atcgcttacc gggatttctg catcaattac ccctttacgg 120
gccatgatga accaaggata tggtgtcgta ggacccttcc gagtatctcc agcttcgtcc 180
aggaccatta ttggtatgtt ttcaacttag 210

<210> 19514

<211> 261
<212> DNA
<213> A.fumigatus

<400> 19514
tcccatagga acaatggttt tcttcggtat tggactgtgt ccaatatccc cctgttcgcc 60
ttggccagtc caatgctggc aatcatgact tattctgccc tttggactct caacgttgaa 120
tcaggcaggc tgacaggagc aggccgcctg ttgcgtagcc tggcggctcc ccagctcatc 180
atggctgcat tgacattttc aacacatcat gttcagatca ttacccgcat gtcttggggg 240
tatccggtgt ggtatttata a 261

<210> 19515
<211> 423
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (183)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19515
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tttcgcaaca cccacgttca cacacaaaag gacctggggc cggagaacat gttcgtgggc 180
gtncggtccg acgaggccat tgacgctctt ttgagatgtt tctgtgctcc cgggaaagga 240
caagatcctt acgtgtcctc ctacgtatgg catgtatgcg gtcagcgcgg aagtcaacga 300
tgtcgagatt gtgaaggtgc ccctggacgt caacaatggc ttccagctgc agccggacaa 360
gatcaacgag gcgttgtctg cggacccgac gatcaaaatg gcatatatct gctcccctgg 420
taa 423

<210> 19516
<211> 936
<212> DNA
<213> A.fumigatus

<400> 19516
gatgtttctg tgctcccggg aaaggacaag atccttacgt gtcctcctac gtatggcatg 60
tatgcggtca gcgcggaagt caacgatgtc gagattgtga aggtgcccct ggacgtcaac 120
aatggcttcc agctgcagcc ggacaagatc aacgaggcgt tgtctgcgga cccgacgatc 180
aaaatggcat atatctgctc ccctggtaac cccaccgcga acctgatcag gaaggaagac 240
atccagaagg tgctggagca ccctacatgg aacggggtgg tcatcgtgga cgaggcatac 300
attgactttg cgcccgaggg ctccagtctt gccgagtggg tgaccgaatg gcccaacctg 360
gtcgtgatgc aaactttgag caaggccttt ggattagcag gtatccgact tggcgttgcg 420
ttcaccagcc cggaaattgc ccggctcctg aacagtctca aagcccccta caacatctcc 480
agcccgacga gtgcgatcgc gaccgccgcc ctgtcacccg agaacatggc cgtgatgcgc 540
aactatcgcg aacagatcat cgctcagcgc aaacgcatgt tacaagagct ccccaagatc 600
ccaggtgtag gtcgtttcct tggtggacag gaatccaact tcctcctcgt agagatgctg 660
gacaaacctg ccagtgaagg cggaaagccc agtaacgccg tagccttggc agcgtacgag 720
gctatggctg agaagcgggg cgttgttgtc cggttccggg gcaaggaact cggttgtgag 780
ggctgtttgc gaatcactgt aggaacagag caagaagtca ctcggttcct acgggagttg 840
agggccgtgc tagatggtct cctgaaaggg gtggaaatca aatcagtcag ggacgaggtg 900
aacaaggaga atcaggccaa tcaggttgtt ggctga 936

<210> 19517
<211> 1113

<212> DNA
<213> A.fumigatus

<400> 19517
cgctacgcta cgcacctcga agcaggtacc gacatgacga tcactatcac acaggtatat 60
aacaacaaca tcaccctcac tccctctcaa tttcaatccc caatccatga tgcctccaaa 120
atggtccccc aactcttccc accccgccat gtctacttcc cctccaaccc ctctcacacc 180
tccactgtca tcctcctaca cgacacaaac agcacaggcg ccgagctggc cgccgcgctg 240
gacgtctcaa caacaccagc aacagaaaca gcgacagctg gaaatcccaa atctatcttc 300
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accgatgcga acgaagacac agacccaggc gcaaattccc ttcaacaacc acaaccacag 480
ctcagcccct ccacaaaaga cgtcgacaac aattacaaca acaacgcaga ccaaaacgat 540
gatctagaaa cctgcgtaga gtacatcctg caagtagtag aagaggaaat catccggctg 600
gacggcgaca gtcgtcgcgt ggtgctgggt gggttcgggc aggggatggc cgttgcgatt 660
gctgcattac tcgctgcgca gagacgactg ggtgggtttg tgggtgtgag cgggtgggtt 720
cctcacccag agaggatcgg gagcttagct ggtcggggcc gggggctgct tgttgaaaac 780
gaggcgagga tgggagcgtc cgagggttcg gcaggagcgg acggggtgga ggtggatccg 840
ggggccgatt cgatgttaga gactccggtc cttctgagct atctggagga tgatccatgt 900
gtggatattc aaacagcgtt gacagtcgac gagacattga accgcttggg gttcgtcaag 960
gtggtttggg atgcttgtcc aagttcgccg cagggcgagg gttcgctctt acatttgcac 1020
catctagata caattatggg cttcttgaca caggtgtttg atcacgaagg cagcaatctc 1080
ccccaatatg atatgttagg atactctact tga 1113

<210> 19518
<211> 597
<212> DNA
<213> A.fumigatus

<400> 19518
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caaccataca gccgcaccaa gatgaaaatc agcgctcgtc ccacagcagc catgcaagcc 120
aaatacacac ctttgcccac ccccgccaac ccagaccctc aacctgactg tggtactatc 180
tatgttgagt tctgtgccga ttccaccggt gtcggtacta agcaagttcg agcattcaat 240
cactttgttg atgagaacaa cttccacacc ggagtcttca tcactcagac gccaatctcc 300
ccatctgccg tgcgcctact gagtggtatt cccggtcgta tctgtgagca tttccaggag 360
caggatttac tagtcaacat cacccgtcac gaattggttc ccaaacatgt cctgctgagc 420
ccagaggaga agaagaattt gctccaacgg tatcgactga aggagtcgca actgcctcgt 480
atccaggtct ctgatcctgt tgcgaggtac ttgggtttgc gacggggaca ggtcgtcaag 540
attatccgaa agagtgaaac cgccggtcgc tatgccagtt atcgctgggt aatttaa 597

<210> 19519
<211> 1560
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (953)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19519
caagatgcta atccaatgat ccgccaggct ctttttgcaa agactcagtc gggttcttac 60
atgcgtttac ggtctcttta cccgtcaatc ccgcgatggt cccaagcccg gcattcttta 120
cgctcttttt ccaatgagtc tcgttcgcgt tcatcaatcg ataccttctt accctccggt 180
taccaagatt ccttaacaag aagctccaat catcccggcc atggtccctg gacgccgtcg 240

caatctacag cgtcgttctc tacctcctcc tcgctctctg agccagcgga ttgggacgag 300
aatccaaatc tttcaatctc tacctttca gaattaccgt ctaaagactt tggcgtcaac 360
cagcatatga tcattaatca agagttcaaa gaggccttgc gtcagattct gtggcagttc 420
cgcgctccga tccgatatgc tttcgcctat ggttccggtg tcttccctca gtccggcagt 480
gcagccgggt ccagtcaatg tcacccatcg gccccggcag cgattcagaa tatgcagcag 540
ggcaagggca agatgattga ttttatcttt ggagtatcat atactcagca ttggcacgca 600
ctgaacctga gtcaacaccg tgaccattac tctgcattgg ggtctaccgg gtcttatatg 660
gtttcccagg tacaagacag atttggggca ggcgtatact tcaatcctta cgtgacggtt 720
aatggtacgc tgatcaaata cggagtcgtg aacctcgata ccctgtgtag ggatcttagt 780
caatgggaca cattgtatct cgccggacgg ttacagaaac cagtgaagat cctgcgcgac 840
caccccaggg tgcgcttagc caaccagatt aacctcctgt ctgcggtccg ggtagcgctg 900
ctgctattgc cagccgagtt cagcgaattc gagctctaca ccactatcgc ggngatcagc 960
tatatgggag accttcgtat gtcactaccg gcggaggacc cccggaaagt gcggaatatc 1020
gtctcgggcc aaatggcgca cttccggcgg ctatatgcac ctctcattga gaatcttccc 1080
aacgtcacat tcaacgacag gcgctgcacg gaagaagatt ggatcgacga ccccaatgcg 1140
aatgtccgtc ttacacagga catggaccca gtgaagcggg gcaatatggt acgccggtta 1200
cccgaatcat tcaagcagaa gttgtacttc cagtatcagt ctcgatttga aataccccaa 1260
gtcgagttca acaaaatgat gaaggagagc agcgacagcg actcggaagt agtgcgacgg 1320
aggcagggcg gtccattcga acaacggatc gcggctgatg agaacctcaa aaaggaaata 1380
caggcgtcaa taacgaaaac gatacgttgg ccaagtaccg ttcagaccat caagggtttg 1440
tttacttcag ggatcagcag aacctggcgc tatttgagcg aaaagcaaag caagtacaga 1500
acctcaggcc ggaaagctaa agcttcatcc gaggagtctc cttcttcgaa gcacgaatag 1560

<210> 19520
<211> 207
<212> DNA
<213> A.fumigatus

<400> 19520
gtttctctca ctcatttccc ctttcttctc ccccctcttc aattctcaaa agtcatggct 60
gccgccgcca atgccgctcc tgccacggag cagaaagcca ggccgaccaa gcccaacgag 120
gaggctttca aggctgatct cgctcaggct gaaaaggagc atgctgctgt ccaggagaaa 180
ttggtatgtg aggtctccgt caattga 207

<210> 19521
<211> 285
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (232)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19521
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tttgatagaa catcaagagg cttcaggagg agatcaggcg tctggaagag gaagaggcga 120
actttgacag ccaacgtgct taccgaccat gccaagaagg tcggttatga gaacagcggt 180
gtgaatggca aagtctccgc cgaagctgag ctgaagcagg agaacgatgc cnccgcagat 240
gtctctgagg agcttcagaa ggcttcaatt gaggatacgg catga 285

<210> 19522
<211> 249
<212> DNA
<213> A.fumigatus

<400> 19522
gaaccgagtg acttcttgct ctgttcctac agtgattcgc aaacagccct cacaaccgag 60
ttccttgccc cggaaccgga caacaacgcc ccgcttctca gccatagcct cgtacgctgc 120
caaggctacg gcgttactgg gctttccgcc ttcactggca ggtttgtcca gcatctctac 180
gaggaggaag ttggattcct gtccaccaag gaaacgacct acacctggga tcttggggag 240
ctcttgtaa 249

<210> 19523
<211> 1260
<212> DNA
<213> A.fumigatus

<400> 19523
cgatatgtgt ttacaactag ttgcaaactg cgtaacatat ataaagatac taactatgcg 60
cagaaccaaa tcaaggccaa gatcgagagc gccaagccta acaaccagga ctcaccctca 120
gccaagagac aacaggaact tcgtgctgag ctttcctcca ttcgtcaaaa gcagcaggga 180
tttaaggcct caagaacgag cacccaggag aagatcaatg ctctggagtt gaccctcaag 240
gcccggatca ccgaacagaa taactcccgc actcgcatgc cattcaagaa tgtcgaggac 300
attgaccgtg aaatcgcccg tctcgagaag caagtcgact ctggtactct ccgcttggtg 360
gacgagcgca aggccctctc cgacatctca actcttcgta agcagcgcaa gaactttgct 420
ggcttggatg agcagcagaa ggttatcaac gacctgaagg cgcagattgc taccctcaag 480
aagactctcg acaaccccga agccaaggct ctgagcgaca agtacactga gatccagaag 540
gagctcgatg ccatcaaggc cgagcacgac agtgccttca agaatctgaa cgctctgaga 600
gacgagcgca ctaagctgca tgctgagcag cagaagaagt ggaatgccat ccgtgagatc 660
aaggacaact actacaaggc ccgcaaggcg tacaaggagt atgaggatga ggcctggagg 720
atccgccggg agaagcaaaa ggcccagcgt gaggcctttg agcgcgaaaa gaagaagaag 780
attgcggaca agaagcttga ggaggcttcc cgtcccgctt acaccgacga gatcctcatc 840
gcgcaaggtc ttatccgcca cttcaacccg tcctacgact tctccaccct tggtcttgat 900
gacaagaagg atcagtcttc cgctttccgt gctcaagtcg gtcgtaccgt tgacgactcc 960
aacatcaagg gcatgaaggt cttgaagaag gaggaccgtg aggaagacta ctttgtcggc 1020
actggcggca agaagagcaa gaagggtaag aagggcaccg ccaatggcag ccctgctccc 1080
ggaactcctg ccgaacccac caagttcaac ctcaacgtcg gtgtcatcga ggactttgcc 1140
aaagtcaaga tcgaccctcc tatgaaccag tccgatgttc ctgctgttat cgagaagctt 1200
ccccccaaga tcaccgagtg gaaggcgaac caggccgcta agacccgggg ggtgagttaa 1260

<210> 19524
<211> 1839
<212> DNA
<213> A.fumigatus

<400> 19524
gtgacacttg ctccttcttt ctcaatggcc aaagacgagc ttcaggaagc taaccagcag 60
tcacatcaag taggagaccg tccaaacaag actgacagca ttggatccga cgaagtcgtc 120
atgaatcgag gggccaattt caaaggtcgc aatcaaagac agctttgggg cggaagcgta 180
catctgaaca gcgattcccg gtatagggct cgtccaagaa caacacagca gataccaagg 240
cagaatgcca atgggacacc aaacagacct gctgcgatgg aaaatcacac tactgaggac 300
gatgttcgct gccaaatcaa aggtccgccc agcgcgcaaa agactgcaaa caaggctcca 360
tctctagagg ccctagacga gttaaagcgt cttcagaaag agattgtttt gcaagcccac 420
ctgaatcgct acaaagacca tgaagacgac acagcaaatc cagagagcct tgcaaaatgc 480
agggacggtc caggcaccga tccaaaatca gatgtctaca aaagcatcgc aaggtgtagg 540
ctcacagcca atccaaatgc aacttcttcc catccaggct ctagtccaga ggacaagttc 600
gaaggagacg tgaatgatag atacttcgtt gatgaaatca ggtctcgcgt ccagaagttt 660
tacgctgcga aacttgatgc tcagcgtgaa tcttatcata acagcgtgtc cgtgtatccg 720
gccattgttg acggccagat ctttctttca cgctacccaa gtgcggagca tgaacgtcct 780
gagaaaactc tatcaaatac tgagcggcag actggcagtc aggacggcag tcataagcca 840
gagcactgct ccatggttaa atgggaggat aggtgggagc tgcgtcctcg tgcttgctct 900

acctatgaag gctttcgtga ttggttccgt cattggttag agatggaaac aggcgatagc 960
cccaacattg acatacacca ccaaaccttt tttgacggga cggcgcatat ggatgggatc 1020
aaatctttct acattcttga cttgggagac gtcccaactc gtttggacat gacgagtgaa 1080
gcaacacgtc tccattatca tgaaacggcc gaaggctact gccacaacct tgcattacat 1140
atgagagcgg cggaagagga ggcgaagacg cgcagaaaac aagctcgaga tgccttcata 1200
gaaggtctga aggtctgttc tccaaaggat ccgaatagtc ctagagcaaa cgtctatctt 1260
cgcagtgtgg aagacggtga tgtaccagga ctgctcatga ttatgaattg gtacggccaa 1320
aagtcaaact tgagttcaaa cttaggaaca cttgacgaac aagacgtgcg tcagcaaatt 1380
gaggatagca ggcgtgcgaa attgccattt attgtggctg cagagcgcag acgaggacca 1440
tccgtccacg acaccccgga gaacattttc ggatatgctt tggctagaga ttccttgggg 1500
cttcagacca caggtcgata cacagcggag ctagaaattt ttatcaaacc ggaccaaaaa 1560
cgccgaggca tcggaaaatg tctcttggac aaactgattg aagtttgtga cgttacttac 1620
gttcccaaaa ggggcatctt ctacgatgcc ggttgcgatg acaagactgg cttttacccg 1680
ggcggttccc gaactctcaa acgccttgtt tttattatca gctattccgt tcctgagagg 1740
tcccagatca agtggctcat cgactggctg gaaagggatt accactttga acagcaaggc 1800
gtgctcaagg gggcccgagt caagttcgag cgattgtaa 1839

<210> 19525
<211> 228
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (135)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19525
tcggcactgc agcgtattaa aagtgtcgag aacttccgag aaggcaaagt agccttccta 60
cttgctactg atttggcgtc ccgtggtctg gacatcaagg gtgtcgaaac ggtcatcaac 120
tacaaaacgg ctcanaacca tgagatctac ctgcctcgtg ttggtcgaac agctcgtgct 180
ggccgttccg gacgcgcatg caccattgca actgagccgg aacgctag 228

<210> 19526
<211> 1989
<212> DNA
<213> A.fumigatus

<400> 19526
actttttttct tcctttccgc tcaagagata ctagatagaa gcagaaggcc tgggaggaaa 60
aacaggagtg gtctgagtcc ctctacatcg ttatcacttg ctttgcgtga attcctacag 120
tcttgtgctc ccctcttcgc attcagacgg ccaaacaacg gtcggtctcc tagaaaaatg 180
gctcccaacg ctgcgacaaa aaagcgggct gccgccagag atgacgattt cgtgctcaca 240
ctatcggacg acgagaacga tatcttcgag aacggtgttg aggaagacgg cgacaatgcc 300
caggaagaca ctctttccag ctcgaagaaa cgcaagcgag aggcggcgga ggccccgaaa 360
ggaaagaaca agaagcagaa gcaattgaag aaaagcaaga agggcgagag cgctgctggc 420
gcagtatctg acgaccaatc cagcgaagag gatgaggctg aggctatgga tgctggtgag 480
gacgatgggg ctttggactc ggagttcgag ttcgacgttg gcggcaatgc taataccggt 540
gtgattgagg gatttgatgg gtgggaagct cggaatggag ccagtcttgc ggatgcgccc 600
aagaatgggg ataagaaagc tgtggatatt gatgatatca tatccaggag gaaagcgaag 660
aaagaggctg aactgaaaaa gaagcagcag aaggagaaaa agaggaggga ggaggaagga 720
gaggaggaga gtgaaggtga agatgccgac tctgatggcg gtatgtcagt ggactttcag 780
gacgacgaat tgcttgctgc agacggattt ggtatgggtg ccgatggtgc agatgagagt 840
gacgacgatg tggagaacgg ctccaatgac agcgacgatt cggagggaaa gggcagcgag 900
gacgaggaga gtggtgatga atataatgat gatgatgctg cttccgataa cgactcagtt 960
gccactccag tacaccatcc tgatgacgaa gcagcgtctg acgaggaatc tgaagccgag 1020

agcgaggttg atgctgagga agcagagaag cgcaaggctt tctttgcacc tgaagaaaag 1080
tccacagccg tgtcgacttt taatcgatcg tttcaggact tcaatctgtc tcgacccatc 1140
ctccgtggtt tggcatctgt caatttcacc acgccgactc ccatccagca aaagacgatc 1200
cccgtggctc tccttggaaa agacatcgtg ggtagtgctg tcactggctc aggaaagact 1260
gctgcgttcg ttgttcccat tctcgagcgt ctgctgttcc gccctcgaaa agttcccacc 1320
agtcgtgttg ctatccttat gcccactcgt gaattggccg ttcagtgtta caatgtggct 1380
acaaaactgg ctactcatac tgatattacc ttttgtcaac ttgtcggtgg tttcagtctt 1440
cgcgagcagg agaacatctt gaaaaagcgc cccgacgtga tcattgctac tcctggtcgt 1500
tttatcgacc acatgcggaa ttcccccagc ttcactgtcg acacactgga gattttggtt 1560
ctcgatgaag ctgatcggat gttggaagat ggtttcgctg acgaacttaa cgaaatctta 1620
acaaccattc ccaagtcgcg gcaaacaatg ctcttttcgg ctacaatgac agactccgtg 1680
gacaagctca ttcgggttgg tctcaaccgt ccagttcgct tgatggtcga ctcgaagaaa 1740
aatacatcca tgaatctgac ccaggagttc gtccggttac ggccaggtag ggaggacaag 1800
cgcttgggat atcttcttta cctgtgcaac gaaatctaca ctggacgggt tatcgtcttc 1860
ttccggcaga agcgcgaagc ccatcgggtt cgcattgtct ttggattatt gggacttaaa 1920
gcggcagagc tacatggtag tatgagccaa gaacaggtat gccaacttat caaccagata 1980
gttacttga 1989

<210> 19527
<211> 402
<212> DNA
<213> A.fumigatus

<400> 19527
agaagatatc ccaagcgctt gtcctcccta cctggccgta accggacgaa ctcctgggtc 60
agattcatgg atgtattttt cttcgagtcg accatcaagc gaactggacg gttgagacca 120
acccgaatga gcttgtccac ggagtctgtc attgtagccg aaaagagcat tgtttgccgc 180
gacttgggaa tggttgttaa gatttcgtta agttcgtcag cgaaaccatc ttccaacatc 240
cgatcagctt catcgagaac caaaatctcc agtgtgtcga cagtgaagct gggggaattc 300
cgcatgtggt cgataaaacg accaggagta gcaatgatca cgtcggggcg ctttttcaag 360
atgttctcct gctcgcgaag actgaaacca ccgacaagtt ga 402

<210> 19528
<211> 195
<212> DNA
<213> A.fumigatus

<400> 19528
agtaagttgg cgcaacttga tatatttgat gagctctacg gacatctact gacatctctc 60
cagcggcttc gcctggattc aataaagacc cataaatgga ctatattgcc ctgtagtgcc 120
atgacaggca agaatctata tgaaggctta caatgggtag tgcaggatgc aaaagacaga 180
cttttcctct actga 195

<210> 19529
<211> 462
<212> DNA
<213> A.fumigatus

<400> 19529
aagtcgacac ggctgtggac ttttcttcag gtgcaaagaa agccttgcgc ttctctgctt 60
cctcagcatc aacctcgctc tcggcttcag attcctcgtc agacgctgct tcgtcatcag 120
gatggtgtac tggagtggca actgagtcgt tatcggaagc agcatcatca tcattatatt 180
catcaccact ctcctcgtcc tcgctgccct ttcctccga atcgtcgctg tcattggagc 240
cgttctccac atcgtcgtca ctctcatctg caccatcggc acccatacca aatccgtctg 300
cagcaagcaa ttcgtcgtcc tgaaagtcca ctgacatacc gccatcagag tcggcatctt 360
caccttcact ctcctcctct ccttcctcct ccctcctctt tttctccttc tgctgcttct 420

ttttcagttc agcctctttc ttcgctttcc tcctggatat ga 462

<210> 19530
<211> 249
<212> DNA
<213> A.fumigatus

<400> 19530
aaggacaaat ttagccaaaa tgctgtcaat attgagaaaa gctcgcttaa aggacaagga 60
gatgagaatt ttgatgctgt aagtctttta acaactgaga aacaacccat ctggatgctc 120
acgtttgatg ttagtggtct tgataatgct gggaagacaa cgattgtgaa gcagatcatg 180
aacgaagatg tcagaactgt cagccctaca ctgggcttca ttattaaaac aatagatttt 240
gaagggtaa 249

<210> 19531
<211> 246
<212> DNA
<213> A.fumigatus

<400> 19531
gagaagccaa cagccagaac tccacaagga acttcgattg acttttgccc gccaggggac 60
gtcgggggc agaaaaccct tcggtcatat tggaaaaact actttgagaa gaccgacaca 120
cttgtctggg tggtagatgc aacagaccgt cttcgagttg atgattgccg ggatgaactc 180
gcgggcctac tcctcgaaga ggtacgggtt gccaatgtcc ccgctcgcct gcaaaatttt 240
cgttga 246

<210> 19532
<211> 297
<212> DNA
<213> A.fumigatus

<400> 19532
ctgtggatgg gaacacaccc ctcactccct tcgaaagatc tcgagactca gcgcacctta 60
ctggatatgg ttcaggacaa tcaggcattg atctctcagg aggtcagtga acgatatggg 120
gggaagcttc ctttcctgtt caaggtgctg tcgatcagga aggcgctcag cattcaggcc 180
catccgaaca agaagctggc ggaaaagctt catgccaggg atcctcgcaa ctatccgggt 240
gagtacacag ccttcaagcg gacttttgtg gtctacttcc aaactgcatt tcactga 297

<210> 19533
<211> 999
<212> DNA
<213> A.fumigatus

<400> 19533
cttttctcag atgacaacca caaaccggag atgaccatcg ccatcacccc ctttgaaggc 60
ctttgcggct tccgtcctct ggttgaaatc atccacttcc tcaaagcggt cgcgcctctt 120
cgtcagttgg taggagagcg ggccgccagc gaatttgaga acacagtcaa gggctcggag 180
gaatcggagg accccgcggt gaccgagaaa aacaagcagg ctctccgcac tctcttcacg 240
tctctaatga ggtcctctcc tgaaagtatc gaggccgcaa caaaggaact tgtcgcgatt 300
gcccagaact cgcccgagac ctttacgact tcatccagta caccggagac caaccccact 360
aatcctgcgg aactggccgc catcacggtg cgcctcaatg gacagtttcc caatgacatc 420
ggctccttcg tgttcttctt cctcaacttt gtcaagctgg aaccgggtga ggctatgttc 480
ctcaaggcgg atgatatcca tgcatacatc tccggtgaca tcattgagtg catggcttcg 540
tcggataacg ttgtgcgagc aggcttcaca cctaagttca aagacgtgga tacgctggtt 600
gacatgctga cgtactccta cgcgcccatc gctgagcaga aacttgagcc gaccgactat 660
ccctatgcgg tcctcaatgc ccctgcttac tctagcggct cctcctgcat cctgtacgat 720

cccccccattg aggaattcag tgtggtcaag acagatctca agcggcaagg tgctaaggcg 780
acatttgatg gaatttcggg cccgagcatt gtaatctgca ccgccggagc gggtaagata 840
acagtcggtc ccaagacgga ggaggtcaat gagggatatg tgttctttgt tggagccaat 900
gcagaatgta tcattgagag cacgggagaa gataccttta ctacgtttaa agcgttctgt 960
gacttgaccg ggaaggagga catggtaaac ggaaactag 999

<210> 19534
<211> 306
<212> DNA
<213> A.fumigatus

<400> 19534
ttcaagatgg cggaccaccc ggatgatgtt cgtctcacac tgctggagaa ggctgacctc 60
attcccggct acctctctgt cctagcgact gcgctctaca gcgctgtcgc tggcattttt 120
cgtgggaaca ccggtgcaaa agaatatggt gtccatgtcg gccatgcaat agtgaggaag 180
atggtgacga ggttctcgat gcggcaaatg cagtacgtag accaacatcc gccactccga 240
tctgtgaata ccgttgctga tgtccaggaa caggtcaatt tcctactcaa cgagcaaagc 300
gtatga 306

<210> 19535
<211> 393
<212> DNA
<213> A.fumigatus

<400> 19535
acagcgcctt gttcgccatt ctcatttggt tcggggtctt gcacgtcgta tctagaggta 60
aacgggtcaa ttttcttgca ctcagaaagg gcaagcgatg gagacagacc tcttcttagg 120
accttcaccg gagattccct tgatgataca ctggatcccc tccccttcaa cgccctgttt 180
gttcttatta tgtttgaaaa ccacttcggc gccaatgaca agctgcccgt tgcgctccgc 240
gatcgtgcct ctgatacttt ctgccgtttc ttcaattttg accatgacac cgtcacgaat 300
ttcgcggccg tcacgcgtct gaggactgga agcactggtg ctacgttgta cgcctttgat 360
gcggccaatc ttgtccgata cagacggacc tga 393

<210> 19536
<211> 645
<212> DNA
<213> A.fumigatus

<400> 19536
gagcaatcag gtggcggatt cgccatcggc ggcgcacccg gccacttcga cctctactcg 60
cacatcgtag ccgacctcaa cgcaaacggc catgacgtcg ccatcttctt cctggcatac 120
acccttactc cacacgccgc ctacccgacc caattgcgcc aggctgccga agccctccgc 180
tacatcgtca cggagacgaa ccgctcgcca tccaacgtga tcgtcggcgg cgactccgca 240
ggagggaacc tcgctctcgc actgctgctg cacctctccc atccacatcc cgagatcgag 300
cccgtcgcgc tctccaccaa cctcgccgga gtgttcgggt tcgcgccgtg ggtcagcttc 360
cgcacagacg ggacctcgat ggacgcgaac aagtacaggg atgtgatccc ctcagacgcg 420
ctgaagagat ggtcgagtgc gtatctcgct ggtgcgaaga gcaatgcctg gagcgagcca 480
gcgctcgcgc ctgtggagtg gtgggcggat gcaaagaccg agcaggtcct gatccttgcg 540
ggtcagcatg agatcttgtc gtcggtgatt gatgactttg tggagaggat caaggtattt 600
attctccgtc atattttagg aagtcgattg tgtctcggtt gctga 645

<210> 19537
<211> 270
<212> DNA
<213> A.fumigatus

<400> 19537
cagggtggtg agaaatatca gtctgccttt tacgtttacg aagaacttgc gtccgcgcct 60
ggtacgtcgg caccttttgtc tattgtcgga caggctgtcg cggagattca tctgggccgg 120
ctacccgagg ccgaagctgc gctgtcggct gcgctggaga aataccctga ggaggcggag 180
ttgattgcta atgccattgt gctgaatgta ttggctggga agcctacgga ggaattggag 240
aggtatattt tgctctcaaa catgatatga 270

<210> 19538
<211> 741
<212> DNA
<213> A.fumigatus

<400> 19538
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tacactggtg agacggcttg gtctgcacgc tgcgactgcg gcgagcagct cgatgaagca 180
gctcgcctca tgtcgctgcc tatggaaacg ttggcagagg ctgcgtcacc gccggatggg 240
gcggtaccgt caaatgctgc tggaggtgta attgtgtacc tgcgccaaga aggacgaggc 300
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gaagccaatc tcctgcttcg ccaccctgcg gatgcaagaa gttatggatt agctacggcg 420
atcctggtgg atcttggtct agggattgac tcgaatccgc acggcatccg actactcacg 480
aataacccgg acaagattcg agcggttgag ggacccaacc gagaagtggt ggtgaaagag 540
cgggtgccga tggtgccatt ggcatggaga tcgggtggaa agatgggaat caagagttcc 600
gaggtcgaag ggtatctgag aacgaaggta tgtcgacaat ctatctcttg caagctagct 660
tattttctca tcattcttga acaatgtctc attctttcgt cgcagatatc gggctctcca 720
cggggacgga aggaccgcac t 741

<210> 19539
<211> 741
<212> DNA
<213> A.fumigatus

<400> 19539
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gtccgtctgt atcggacaag attggccgca tcaaaggcgt acaacgtagc accagtgctt 180
ccagtcctca gacgcgtgac ggccgcgaaa ttcgtgacgg tgtcatggtc aaaattgaag 240
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ccgaagtggt tttcaaacat aataagaaca aacagggcgt tgaaggggag gggatccagt 360
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taccccgaca cgactacatt ctaccgtgct gaagtgatgg gcacgaaaaa ggacacctac 660
cgcctcaaat tcgagggcga agaggatgac aaggaaatgg aggtcgatcg acgatttgtc 720
ctagacattc cgggaaaatg a 741

<210> 19540
<211> 645
<212> DNA
<213> A.fumigatus

<400> 19540
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tcccatgctt ctccgtcttt tggggcgcaa acgcctacca cgccgcagcc cgtcgacgag 120
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atcaataccg cggagctgct tcaacagacc caattagctg gcgcacggca agggtcaaca 360
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atccggcctg gagagacgga gatggatcgc atgatccgtg gcgcgtatgt cgggaaactc 600
cgaccgggcc gtgtgagcag ctggtatgac gaggagaaag gttga 645

<210> 19541
<211> 213
<212> DNA
<213> A.fumigatus

<400> 19541
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tcggatagcc cacctccaac agtttccatg tctatcacgt tcggaatgaa cccatttttc 120
aacctttcgc ctccacttct cttcctcgac acgttggcgt ctcacgaatt ctgggccaac 180
atcaaactcc tctgtcatgg gccactcgtc tga 213

<210> 19542
<211> 207
<212> DNA
<213> A.fumigatus

<400> 19542
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tctcagagga tcctccgcat ttccaggagt gatgataccc aaggttacgt gctcctccag 120
gtctcccca tcagctctag tgccctggat ctggatattg ttgcgactga aggggagaac 180
ccctatactg gcactggtat gttctga 207

<210> 19543
<211> 264
<212> DNA
<213> A.fumigatus

<400> 19543
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gcctgtccgg caactggagg cactaggact aacaaccgag actgcagagc ttggaatcga 120
acggtggtct ctctttgtgc caccgaaacg aatccctata ctaccttcgg accaatccag 180
gtcgaaatcg tctgcagcag tgctagtggc ctccgtaacg tctttgcgaa gagaaagatg 240
acgaagaaaa tcttctgctg gtaa 264

<210> 19544
<211> 495
<212> DNA
<213> A.fumigatus

<400> 19544
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gatagtgagg acagatttga gaggatggaa gtagatcact ctgggcgaaa cgatggtcgc 180
tcagacgatc aggaaacaga agatgaagaa acttctacgc cccagcccct tgaagatgac 240
gaatacacaa acacaggcga atcacttgtg tcaccatcaa tagaacacaa gcgcgaagac 300
aacaagcagg catcagacga aacacctcat aacaggacta tagtaacaaa ttcagccgtc 360
ccgccacccc gaagagagct ttcatttgct aagaagccac agatgaatca tatgtcacaa 420

agatcaaacg aatccgttgc tgcaggggag gatgctgaag aaacggcagg ggagactgat 480
gacgatgagt tgtaa 495

<210> 19545
<211> 339
<212> DNA
<213> A.fumigatus

<400> 19545
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accgatcgtt atcgcgccgc cgaaaacaca atccaacgac tcaaccagca gttggaagaa 180
ttcatgcgcg ccaagaccca gcacgatgag ttactgatga ccaatttcgt gcaattgttg 240
aatgagaaga aactcaagat tcgcaatcaa caacgcctct tggcctctgc aaaggtagac 300
tctgaaaaag gtatgatttt gtcgtggcaa ttgcattga 339

<210> 19546
<211> 258
<212> DNA
<213> A.fumigatus

<400> 19546
gcaaagtaca actggttgac cagaacaagg gcgttcagcc aactaataca cctttcaaga 60
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atatgcgtca tgcctaccgc taatcgagaa tctagttccc cgaccatggc ccgctgttca 180
gcagctaagg ccactggaaa tccagagaca aactttatgg ctgctggtga aatgtctccc 240
caggctctgt acggctag 258

<210> 19547
<211> 702
<212> DNA
<213> A.fumigatus

<400> 19547
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gagggaaacg agacttccgt tattgggttt gattctctaa gatcgccaaa gtcccccaaa 180
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caggggatgg tggcagtgca ggttgaagac gatgtctttg ccggacttga tgacctcgag 360
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cgtactgtga gtggtgatga gccgagttgc ggcgactcct cagacgagtg gcccatgaca 480
gaggagtttg atgttggccc agaattcgtg agacgccaac gtgtcgagga agagaagtgg 540
aggcgaaagg ttgaaaaatg ggttcattcc gaacgtgata gacatggaaa ctgttggagg 600
tgggctatcc gagatatagt gggtgtggat ggttctcatc aaactcaaga agtccgccgc 660
atgtggacat tttcaacata cttcgtcttt cggagggcat aa 702

<210> 19548
<211> 1500
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (71),(77),(227)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19548
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cacgatgcta tgggctccaa tgtccggata gataccagag gcatggaagt catgcgagtg 180
cttccgagac tgaatgacga catcaatgaa gaatggatcg acgatanatc tcggtttgca 240
tgtgacggtt tgaagaccca gagactgacg acgccattga ttcgaagaga cggaaaattt 300
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gcgatgaaag acttagccaa caagcttgga tccgataacc tagctctgga tcagccgaga 480
ggagactccc ccattgccca tggaattgac atacgctcaa actacctctt caattccaaa 540
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tacgatgtcg ttgagccaac ttccctgagc tcactgagca aagtacaact ggttgaccag 1380
aacaagggcg ttcagccaac taatacacct ttcaagaagg ttatcgagga cttctatttt 1440
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<210> 19549
<211> 2490
<212> DNA
<213> A.fumigatus

<400> 19549
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tgttacgaag acatccatat ccgtacggcg tcaactgcta catccgtaac gaatgtatcc 180
actcgtcggt caggtcatcg agactctata tcatcccgtc ggtctactcg ctctgatctg 240
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aactttatag acgattggtc tgacgatgtt gagcttccag gtcctgatgc tgcgcttgag 480
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aacagtccgg tgaaaagatc tccttctcct ttatgggaag atgatctttc gacgcgattg 600
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tgttgtcccc atacatatga gttgttttaa 2490

<210> 19550
<211> 231
<212> DNA
<213> A.fumigatus

<400> 19550
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aaaggggatt tggtgagaca ccataatgat tccgccaata tgtacgattt ttcttttaaa 120
gcttgggttg ctaacttcac aatgcgactc tccgttcagc aaaagcaagc ccagcagact 180
ctaacagaag tgagtatttc taaaccccag cactcaatgc agggtcactg a 231

<210> 19551
<211> 834
<212> DNA
<213> A.fumigatus

<400> 19551
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taccttattc gtattagtca gatcgacgac agagaggtct tcaaaatttg tctggagtac 120
tggacaagac tagtgcagga gttgtacgag gagatgcaac aactcccaat cacagatatc 180
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gcggtcgtcg ccagtaacat tatgtatatt gtagggcagt atccgcgatt cttgaaggcc 720
cattggaaat tcctgaagac ggttgtcaac aaattgtttg aatttatgca cgaaacacat 780
gaaggtcagt tacgcatgct gatttacagt gcgtctcttt ctgacacaca ctag 834

<210> 19552
<211> 387
<212> DNA

<213> A.fumigatus

<400> 19552
caaccgcgaa gtggaaaata ctggccttac aatgtgcctc gaactgatga acaatatggc 60
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agacgtcttc tttgttctta ccgacagcga tcacaaagca ggttcgtaca catccatggt 180
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gcgccgctcg ggacatccaa caaagacttc ttgcaagaat acgttgccaa cctcttacaa 360
aatgctttca agaatcttca ggagtaa 387

<210> 19553
<211> 756
<212> DNA
<213> A.fumigatus

<400> 19553
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cttatggaag acaaggttcc tttaatcatg gagagtgtgt tcgaatgcac cctcgagatg 120
atcaacaaag acttccatga gtatccagag caccgtgtgc agttctttaa attgctccaa 180
gcgatcaatc tatactgttt tccggcgtta ctcaaacttg atgccacaca attcaagttt 240
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aagttggctg ctagcccagt ctcgattgaa agagtgctaa ttctgtctca ggatacaaat 720
caagcagttt gtagttggct tgtttacctt caatga 756

<210> 19554
<211> 741
<212> DNA
<213> A.fumigatus

<400> 19554
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gagaagctca ggagtgaacg cgcgtttttg aataagctca acctggtcct cgtttctatc 120
ctgaagcaag agtggcctca taattggcct actttcatca atgaaataat ctcgtcttgt 180
catacgagtc tctctatctg cgaaaacaac atggccatcc ttcgcttgtt atcagaggaa 240
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cagccgagtc taatcaaagc cacattagag actctccttc ggttcctcaa ttggataccc 420
ctgggataca tatttgagac ccccatcatc aacaccctct taactcgttt cctggacgtt 480
ccggattttc ggaatgtgac attgaagtgt ctcaccgaga ttggaggatt gcaaatcggc 540
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tcgaaaacca ttccactctc catggattta aagcagacat atgccaaaag caattcgagg 660
gatcaggagt ttgtcctcaa cttagcactg ttcctctcca gctttttcag tgctcatcta 720
actgtgagtg ttacaaaata g 741

<210> 19555
<211> 489
<212> DNA
<213> A.fumigatus

<400> 19555
cacacactag gtgtccaaga catggcgtgc gatacattta tcaagatcgc aaacaagtgc 60
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aacttgatgt cccttcctaa ctcggcgtgg gatgctatta tagcccaggc gaatcaagat 300
ccgtccatac tccaggatgg agaaacgata aagatcatcg gcaacattat gaagacgaat 360
gttgcagcat gttcctcgat tggcacatac ttttattccc agattggccg catctaccat 420
gatatgctga acatgtatcg ggcttctagt caactcatta acgatgctgt tgcgcacgat 480
ggtaaataa 489

<210> 19556
<211> 333
<212> DNA
<213> A.fumigatus

<400> 19556
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aaggaaattc ttaagctgat cgatacctat gtgcaaaaag ctgatgatct ggagatggtc 120
aacgcaaaca tggttccacc tctcctggag gccgttctgg tggattataa ccgaaatgtt 180
cccgacgcac gggaagcaga ggtgctgaac gtcatgacca caatcgttca taaattacat 240
gtatgtaaca ttcccaggca agcatggctt ttgagaatgc tatcgaagct gacttacttc 300
accagagcct tatggaagac aaggttcctt taa 333

<210> 19557
<211> 252
<212> DNA
<213> A.fumigatus

<400> 19557
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gataatgcag aactttatgc agaggaaaga gagcaggctc tgcgggatgc gcaggcagca 180
gaacgagacc gggcaatgag agttggagga cttttaaagc cgtctgaaat ggatcaggag 240
gatgagctct ga 252

<210> 19558
<211> 1158
<212> DNA
<213> A.fumigatus

<400> 19558
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gaagaatcaa tatgccagca acagggtaac tttggaaatt ccttcagcca atgttcaaat 180
gacaatgagc ggaaagaaac taatgctcac gaaatagtcg cgcttccaaa caagaaggga 240
cagaaatcag aatcattgtc ccctgcaaaa actgtatcta tatttcaagg tgcctctgga 300
atgacttctt caatattaaa cgccccgccg tcacgtccgt caagacgtca aagatctgtt 360
gtgagctatg ccgaaccgaa tttgagagac aaaatgcgtc gacacacaaa cgaatttgtt 420
cccgctgtcg ggggggagag gcagaccaag acattgaaca cagctgcgct tcccaagtct 480
accgatgagg gagacgtggg gttacaaacc gatatcagcc gagcaaaaaa accggagaat 540
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cgttctaccg taaacatggt ttcactcaga aaaaaaaaga acattctggc gaatattgtg 660
accgctggcg aagaggacca tgatactcta caaagcgagc tgtcatcggg cgctagtgag 720
agacccaact tctctgttga aaacagcaag cccagaggat gcgaggacca gaatacgctc 780
cgcatttcaa atgccgcgag aaataatgag ctggactcac aatctacaga tgatactgac 840

tccttgcaaa gacatattgc agaagaatca gcgccaactt ctgatagacg caaacaaccc 900
cgacgccact cttcacactc caaaacatcc acccagcata cccaaggcga attaaggacg 960
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acgatgcagg ccgagaacgc tgacaccgat agcgcagtat tggacgaaga aacgggatct 1080
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aaaagtatgg tgctatga 1158

<210> 19559
<211> 1752
<212> DNA
<213> A.fumigatus

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aaccgtgctg ctgtgccggc cgcaagatct ttcagtgtca gctccgttgt cggagggaat 180
acaacaagag aaatcaagta caccaccaac gcctaccccg aactgaaacg caaccccaat 240
ttcgccgaga tcacggaaca ggatgtaaag tacttcaagg atctgcttgg cgctcagtcg 300
gctgtgattg atggcgtgac agcagacgct acggacgata tcgaaccctt taatgccgac 360
tggatgcgca aataccgcgg tcacacaaag ctagtcctca agccgcagaa caaggaggag 420
gttagccagg tcttaaaata ctgcaatgag aagaagctgg ctgttgttcc ccagggaggt 480
aatacagggt tggtgggggg ttccgtgcct gtattcgacg agatcgttat caatacctca 540
cgcatgaaca agattcgctc tttcgatgag gcctctggtg tgctggtcgt cgatgcgggt 600
gttatcctcg aggtagccga tcaatacctt gcggagcgcg accacttgtt ccccttggat 660
ttgggtgcaa agggttcgtg ccatgtcgga gggaacgtcg cgaccaacgc gggaggactc 720
cgtctgctgc gttacggcag tcttcacggc aacgtgcttg gtcttgaagc ggtcctggcg 780
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gccaagaagg agttcatcgg gtacagccaa aatgacacca tgctcaagtt gatgaagcag 1620
ctgaagacct tgtacgatcc ggtaagtcta gctcacttca gcacatcctt cgagggtact 1680
aataatgttc tagcatggga tcatgaaccc ttacaagtac atttaggcat caagcgcctg 1740
catggcgttt aa 1752

<210> 19560
<211> 183
<212> DNA
<213> A.fumigatus

<400> 19560
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tctcaccact cagtgatttg ttttcatttc tttattgacc gtttgggatt ggatttagat 180
tga 183

<210> 19561

<211> 606
<212> DNA
<213> A.fumigatus

<400> 19561
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cttctctctc acacaggaaa ggtcaagttg gccgactttg gggttgcggc ccagcttacc 180
aacatcaaat cgcaacgcaa tacctttgtt ggaaccccgt tttggatggc acctgaagta 240
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gagatgatca atggagagcc gccccatgcg agtacgcacc cgatgaaagt tctcttcctc 360
attccaaaag agccggcccc tcgactagaa ggaaacgagt atagcagcgc tttcaaggac 420
tttatcgcgc aatgcttgac caaggacccg gagcggagac ccagtgcgaa ggagcttttg 480
agacacaagt tcattcgcaa tgcagggaag accgaggcgt tgcaggaact catccaacgg 540
aagcaggatt gggatgctgg caaaggcgtg agacagaacg tcaaatacta tgcggagtcc 600
ctgtga 606

<210> 19562
<211> 225
<212> DNA
<213> A.fumigatus

<400> 19562
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gtcacttatt tcttcgtttc ttctcatcag tccatcgcta ttcattggct gggcaaatcc 120
tcacgctcat tttgtcatga tcgattcact cccttaagta ccacaatcgc taagttctac 180
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<210> 19563
<211> 216
<212> DNA
<213> A.fumigatus

<400> 19563
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gccacatgcg caagtcccta cgtgacgcag tacaaggcga gttttcttcg gggacacaag 120
ctatggattg tcatggaata cctgggcgga ggatcttgtc tcgacttggt aaatatatcg 180
attggtcaag tatcattgga actttgcgat cgctaa 216

<210> 19564
<211> 924
<212> DNA
<213> A.fumigatus

<400> 19564
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tgcgaaggag cttttgagac acaagttcat tcgcaatgca gggaagaccg aggcgttgca 120
ggaactcatc caacggaagc aggattggga tgctggcaaa ggcgtgagac agaacgtcaa 180
atactatgcg gagtccctgt gagttctgat gctttgggct ttgagttgtc tctttcgcta 240
atctatattc acagcaatac gattacgcgg ctggaagacg acgacggctg ggtgttcgac 300
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gatacacgag accgtctgta cgacgaagcc tcggagttga tggacaatct gcacatgtcc 420
agcccacctg tcccgccgaa acatagctca aactcaaccg tgcgacgaaa tccagcagct 480
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ggcgtcgact tgacttttgg caacagcccg tcaactgttc gccagttccg tcgggtgtcg 600
gataagaccg ggcccgactc ctcgtacaat aaccagtacc agatcgccgt cgatgagaac 660

gcaagcccga agacagtgta ttcggattcg aacagcaagg aggctcagct agggcgtcgg 720
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gaaaagcgag aagccatctc aagactggca gaggcctgga gcgacctgga gatggtcgac 840
cctgagggcc tataccatat tctcaaatct ataaacgaaa aacttcagag gtcggtaatt 900
acagattcgc gtgtccgtca ctag 924

<210> 19565
<211> 528
<212> DNA
<213> A.fumigatus

<400> 19565
accggtcgac tcgtgaacga gtttctgact gcgtccgtcc atcagctcaa aggcggacaa 60
gatctcggag agatgaccct tggcctcctt gtaagcctgg cggacctggt catagctttc 120
gagaccgaag taggccacat tgactgcctt gggccgaggg gggcacaaga tggcgacgcc 180
ggtgataatg ccaattgtac cttcagagcc gatgaacaac tgcttcagat catagcctgt 240
gttgttcttt cgcaaggtgg agagggagtc gacgatagtg ccatccgcca ggaccgcttc 300
aagaccaagc acgttgccgt gaagactgcc gtaacgcagc agacggagtc ctcccgcgtt 360
ggtcgcgacg ttccctccga catggcacga acccctttgca cccaaatcca aggggaacaa 420
gtggtcgcgc tccgcaaggt attgatcggc tacctcgagg ataacacccg catcgacgac 480
cagcacacca gaggcctcat cgaaagagcg aatcttgttc atgcgtga 528

<210> 19566
<211> 240
<212> DNA
<213> A.fumigatus

<400> 19566
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ccccccacca accctgtatt acctccctgg ggaacaacag ccagcttctt ctcattgcag 180
tattttaaga cctggctaac ctcctccttg ttctgcggct tgaggactag ctttgtgtga 240

<210> 19567
<211> 186
<212> DNA
<213> A.fumigatus

<400> 19567
acgaaagtac aaattaaaat gtcgactact gttctgatta ctggagctac cggcttgctg 60
ggccgtcagg ttttcaatac attcaagcat tctggctgtt ttgttgttgg tcaaggctac 120
tctaaagcta ccccgcccac gatcctcaag gcggacctgg agaaaccgga ggatatcaag 180
aatctg 186

<210> 19568
<211> 2262
<212> DNA
<213> A.fumigatus

<400> 19568
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cctgacaccc tggtgacacc tgctgcgtct gcccaacatg attgctctgc acagcctgag 240
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cctgcatcta cccttaccct aaaaagggca ttgactcttc ccctggagag gctctcccac 420
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aagtctagtc attacctcgg cttgttcaag gagaatacga cctcgcctga ccgcaaaaga 1140
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gccgaaggtg gcagagacta ttttgcagag attccaccta gtgatgggct ctcgccacca 1560
aatacaattc gagaagaacg tcgggactcg gggccattcg atgatgaaga ggaggaacag 1620
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gcggttgaac tgaagcctta tcgacaccaa gtgggtggcc ataccacggt cttccgtttc 2160
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gagcgcagac accctgaaat gctcatgttt ctacccaggt aa 2262

<210> 19569
<211> 252
<212> DNA
<213> A.fumigatus

<400> 19569
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tggtcaattg cttatcccag ctggcctggg gaactgtcca tttctataca acctgctata 180
tatataaaca tacagcataa caacttctca gccgtcttca ccacggggct ggaaggtccg 240
cgccatattg aa 252

<210> 19570
<211> 297
<212> DNA
<213> A.fumigatus

<400> 19570
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cccacagctt cgtcaggaaa caatgctgaa cccacagata ccgaacatag caaggagctc 120
acacaagatg agataggctc aaggaaaaca agtatcagca agcctaagtc gggagacgca 180
gagccggaac gaattttcag tcaaaaacaa gtgaccggtg tgattcccaa ggtgatactc 240
gagaacaacc gccacattat tccggctgat ctgtttatgc gctggccaaa gacctag 297

<210> 19571
<211> 273
<212> DNA
<213> A.fumigatus

<400> 19571
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gaagagacgc catatgtcaa ttatattgcg ccagccctga gcgtctacat ctgtctgagc 120
cacctaatgc aatttcagcc aggaagcact acgggtatct gtagcaccgc agtgattgat 180
caaagtagta tgctacgaca aagtcttgat taccttctcg acgaagtttc aagaacccga 240
atgtacgatt gcatgcggaa gagctccaga taa 273

<210> 19572
<211> 1746
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (191)
<223> Identity of nucleotide sequences at the above locations are unknown.

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aggacagctg attgtgccgc gtctggtagt cggcgggctt tgaacggcaa tgaaacgtca 120
gctgggaagc aatcggtcgg tggatctacc gcaggcagtg tttctgctcc aacgttggac 180
aagcccatcg ntagatgggg tgccacaacg gtgaacagga agttgcagga gcaggtcctt 240
cgagaggtct ttagccttcc cgccatccat catcaccggc gccatgcccg cggtcacttg 300
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attgatgctt cgaagccgtc caaggaaagc ccagctctgt catcttccgc ctcaacggcg 480
cttgacgcag gtcacggccg cctcgagaag gtccggactg aagaaccaca acctcgtgcc 540
agctcgctca gtcgaacccg gcgggtcagg agacgccatt caggcagtgg tctccaaaga 600
cggggaagca tcagctctaa taaaggtgtc ggtcaactca tgtttttcga ggatgatggc 660
tacggtggcg ataaagaaga tggtatattt ccgatggaac gcgacgcctc cttgctttca 720
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gaatcaacgg accggttctg ggacgagagc gtgttggagg aggatcccgg tgaagtcagc 1740
ttctga 1746

<210> 19573

<211> 486
<212> DNA
<213> A.fumigatus

<400> 19573
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catcctcttc ctcttccagt tccagctctg acagcgatgc cgatgatgaa gaggatgacg 120
atgccgcccc cgcgcctgct ccagcgccga agaccaccgg caccaagcgc aaggctgaat 180
ccagctcatc tgaatcgtct tcggaatcag aatccgagga cgaagcaccg aaggccaaaa 240
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acgaggaatc cgactcctcc gacagtgaga gcagtgcttc atcctccgat tccgactctg 360
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tcctga 486

<210> 19574
<211> 1257
<212> DNA
<213> A.fumigatus

<400> 19574
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tttggcttca aaagtacaag cgaggctctt tccaaggagc agtctaaaaa ggcaattgcc 120
aaggtcgact cgaaggaagt cccttcactg ctggacatct tccggagctg gcaggaccgg 180
aagagtgaga gcagctctga cagcgaaagc agctcgagca gcagtgagga tgagtctagt 240
gactctgatg tagagatgaa tgatgcgccg aaaatgcaaa agaaacagtc tagagaatcc 300
tctccttcct cgtcttcctc atcctcttcc tcttccagtt ccagctctga cagcgatgcc 360
gatgatgaag aggatgacga tgccgccccc gcgcctgctc cagcgccgaa gaccaccggc 420
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agcagcaaaa ctgttcagcc ctccgattcc gatgcgaagg agcccataaa caagactaca 960
aagcaggctc aagagaccag ttcgtccagc gccagtccgg ctcccggaaa tggcccagcg 1020
acgaagaaga agcacactgg agctcgtccc acacccctgg cgcaacttag tgagttgcca 1080
cacaaccacc cctcgaacgc atacgtccca tatgcctacg ccgagaaggc ttggaaggat 1140
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<210> 19575
<211> 1170
<212> DNA
<213> A.fumigatus

<400> 19575
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caacgcctgc acaaggtcat cgctgctgaa gattggcggg tattccatgc acatttcaag 180
aacagattcc cctttgttga gacgcctccc ttttggaagg atgcaaccca ggcgctcacg 240
gcgcgtgccc gagcattgga cagactcgga ctgctttgtc gtttcgtcct ccccccacga 300
gatgcggtga aggttggatc ccatcggggc acacggcagg acaatcctac acatgggtat 360
cgaccctcga ttgattcata tgaatcttgg ccgggtggtt cctggtcgga aagaaaggag 420

gtgctcgtct ggggcgctgc agatgagtta gttttgcgca ttcggcagcc cacgtataac 480
ggcggagaga cgtggttcat gtttaacgat gtgaagacga agatcagcag ctaccatgac 540
atttgtggtg tacatctcct caaacaagaa catcatacca gaaagtcagg cgacgagcac 600
atcatatttg gtcgcctaaa cggtgaccta tgtcatgttg ccatttcgcc ggactcggcg 660
tctcacaaat actaccaacg tttcatgact aacggccatg gacttgagcg tacagactta 720
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cgcgagatca gtgtgacctc cctggatatc ggggaaagta tcggcttacg tcgaaaggcc 1020
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tttcttgctg cctggggtga tcgctgcatc aggtaccttt ctaccttacg ttgctcggtt 1140
atttacatct cttctaattc tccaaactag 1170

<210> 19576
<211> 240
<212> DNA
<213> A.fumigatus

<400> 19576
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tatatggaga ccaccatctt cgcgggttgg gtcgaagtaa caagccaact caggttactt 120
agggtcctca agatgccgca tcaaccaaag tggcggcaag aaaagctcat aaacaactta 180
tccgcagaca cttatacacc tatatacctg tatcagttga ctccagtccg taggaattag 240

<210> 19577
<211> 1428
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1418)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19577
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cctgagaaca agaaacctcg ggttattatc gttgctgtta ggagatcagg aagggtgcgc 180
atgcataaag ctcgagagaa taacgatggc acattttcta tcgggaagac atggatgctc 240
gatgatttgt cctcaattca atcatatacc gggtttgttc cgtcaacgcc actggaacaa 300
caacataagc aatgggctgc cactgttggc tttgtagtta ctgtgggaaa accgtactac 360
tggcatgcta ggagctccaa ggaaaaggat tttttcatcg gcagtctcgt caagatctat 420
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cccagccgcg atggcccgcg cgatattccc cgtgagttca aacgacagcc ctctgaagag 660
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gataaacctg ccggccccgt caagatgcag cctcctgaca taccacctgc actaaggcca 1260
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acacgatccg tgactcctcc caccgcagct gaaccgagcg aaacaccacg cgagagatca 1380
ccgagcccgc cactggccaa ctctcccgaa tcctccangc cgggttga 1428

<210> 19578
<211> 795
<212> DNA
<213> A.fumigatus

<400> 19578
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gcagccttct tggcgggttc cttctcggat tcggagtcgg aatcggagtc tgagctggaa 180
tcagacgatg aaacgctctc actgtcagag gagtcggagt cggagccgga atcagagtcg 240
gaatcggagg atgaagcact gctctcactg tcggaggagt cggattcctc gtcctcagaa 300
tccgacgact cggaagatga ggatgaatcg gacttcgtcg agagcttagc ctttttggcc 360
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ttgcgcttgg tgccggtggt cttcggcgct ggagcaggcg cgggggcggc atcgtcatcc 480
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gaggaaggag aggattctct agactgtttc ttttgcattt tcggcgcatc attcatctct 600
acatcagagt cactagactc atcctcactg ctgctcgagc tgctttcgct gtcagagctg 660
ctctcactct tccggtcctg ccagctccgg aagatgtcca gcagtgaagg gacttccttc 720
gagtcgacct tggcaattgc ctttttagac tgctccttgg aaagagcctc gcttgtactt 780
ttgaagccaa attga 795

<210> 19579
<211> 717
<212> DNA
<213> A.fumigatus

<400> 19579
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tggtccaaca tgcgctatca cgagggtaaa accttcaaat caaacccccg attgttcaaa 120
cgagacaaag ccctctactt ccctaacatg tacggcatca cgcttgcgtc gccgaaacaa 180
ccgcaaaaca ccacctcaat tctccgcggc aaagtgtccg ttgtcaatgt cttctccagt 240
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gaggcgatga agagcggaag cgagcttgtg cagaaggtcg atatcaacct ggaagaaaat 360
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gagcagcacg aacggtattt ccttgtgcgc aaaggtctta cggatgggtt gaaagaagca 480
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cgcaaattaa tccaggagag aagaatcagt ctagagtcga agctaccggc tgaggaatgg 660
gcgggaagaa accaaggtga atccgcaagt ccgaaaccaa gagtgatcat gcggtga 717

<210> 19580
<211> 495
<212> DNA
<213> A.fumigatus

<400> 19580
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acggaaattt actggaaaga caacggaacg acacactggg aagaatcggg cctaccagaa 120
tcgcagattg cgcaatatac acaagatgca atgtttgggg acaggaatgc tgatttgctg 180
cggttctaca gccacgacgt tcgcaagtcg atcgctcgcg ttctcaccgt catcaacgcc 240
aaccagcgcg cccagctccg tctgttctac aagaacaaga agtacactcc tcttgacctc 300

agaccccgcc tcacccgtgc cctccgccgc agactcacca agcacgaggc caccctcaag 360
acggagaagc agcgcaagaa ggagatccac ttcccccagc ggaagtacgc cgtcaaggta 420
tgtttcctac tgcatcacac catgcggaac aaaaaccccg caatcgttca agcatttcca 480
attttggcca gttga 495

<210> 19581
<211> 606
<212> DNA
<213> A.fumigatus

<400> 19581
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atgaaacccc tcatggcacg gaaatttact ggaaagacaa cggaacgaca cactgggaag 180
aatcgggcct accagaatcg cagattgcgc aatatacaca agatgcaatg tttggggaca 240
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tcaccgtcat caacgccaac cagcgcgccc agctccgtct gttctacaag aacaagaagt 360
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acgaggccac cctcaagacg gagaagcagc gcaagaagga gatccacttc ccccagcgga 480
agtacgccgt caaggtatgt ttcctactgc atcacaccat gcggaacaaa aaccccgcaa 540
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aaatga 606

<210> 19582
<211> 219
<212> DNA
<213> A.fumigatus

<400> 19582
attgcggtag gcatcaatgt cggagcggac gttagacaga agattggctc ggtcgcggga 60
ctcggcgatt gcggcgttca ggcgctgcaa ttcgcggcga tgatcctgga ggacttcgcg 120
attgcgggca agattgctct gtttcagggc agatgcggta agagtggctt cggagtcaag 180
gagacgggag agctgggaga tgagggcttc acgctatga 219

<210> 19583
<211> 504
<212> DNA
<213> A.fumigatus

<400> 19583
cgtgaagccc tcatctccca gctctcccgt ctccttgact ccgaagccac tcttaccgca 60
tctgccctga aacagagcaa tcttgcccgc aatcgcgaag tcctccagga tcatcgccgc 120
gaattgcagc gcctgaacgc cgcaatcgcc gagtcccgcg accgagccaa tcttctgtct 180
aacgtccgct ccgacattga tgcctaccgc aattcaaacc ccgccgcggc tgaggcagac 240
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ttgatggtgt tcttcttccg atga 504

<210> 19584
<211> 234
<212> DNA
<213> A.fumigatus

<400> 19584

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ctccttttct gcatgcaagc actaatcaca atggtcatgg cgtttcaggt tgtctatttc 180
acatttatgt acatacaggg tcatactgct gtagccctac ggctcaccgc atga 234

<210> 19585
<211> 1173
<212> DNA
<213> A.fumigatus

<400> 19585
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gacgcgtccg atacagaatc ggttgggaag aaagaaagtc atctgtctga agaggacaag 120
atgatagagg cttggcagca gaaatttgct tgcatgcaga aacatgattc aagttccaac 180
cttgacaatc cgaactgtaa gaccatcgaa gtcctccagc aaatgctaga ctattatact 240
aggacgtcgg atcagtggcg tacgttggcc tatcgaaaag cgatagctgc ccttcgcaga 300
caaccgcgaa aaatcgtcac cagagcgcag gcgcttgcta tccccggcat cggcccgcgc 360
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aacaataggc cggaagatct catacttcag gaattcttgg gggtctacgg tgccggtata 480
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<210> 19586
<211> 243
<212> DNA
<213> A.fumigatus

<400> 19586
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cggaaattgg caaagtttga ccgtaagcgt gcccttgaca cgtttgagaa gcataaaggt 180
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tag 243

<210> 19587
<211> 1188
<212> DNA
<213> A.fumigatus

<400> 19587
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gagcgatcat ccggcttcgt ttgtgctctt aaagtcctgc acaaatccga gctgcagcag 420
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<210> 19588
<211> 198
<212> DNA
<213> A.fumigatus

<400> 19588
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ggcgatgcaa gtgttgttga acctacggca gatctccttg gcaagattgg tcgaatgaaa 180
ttcgtgcgac ccttgtaa 198

<210> 19589
<211> 669
<212> DNA
<213> A.fumigatus

<400> 19589
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ccacttgtca tcagcccctc tgaactgggt ccctatggaa atcgtctgac aaacatatgc 120
tgtccaggtc cgatcatacg gttcttgagc gacaatattc gacaactagg gggcgatctt 180
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tcaactactg actcattgca gatccgagca agctccctca gtggtgagtg cagatgggcg 480
cgagaattct tcagacgtgg tcagtggaaa ttcactcagc aacatcagga atgtgtaaga 540
agaagggcca tcttgtcagt aagagctaga cctggatgca aggatgaagc ccatgcggag 600
aaagtggtca atgaggtttg ggacagctgt ttcagagaca cgcggccctt cgacgagatt 660
taccgttga 669

<210> 19590
<211> 537
<212> DNA
<213> A.fumigatus

<400> 19590
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atggcaaaag agcaggtgag ccagttccgt atagtgcaac tgtccctcat ctacctgaca 120
cgaaacaggg agaaagcaca cgaaggtatc aaggacgttg tcaaaccatt cgattggtcc 180
tacaccacag attatacggg cactgttcat cccaacagtc gacccttga gacaaccaca 240
aagcccatac ctatcgagtt actgaagcgc ccagatccga tacttttctt tgatgaggtc 300

atcctgtacg aagatgaact ggctgacaac ggcattgcta tgctgtcctg caagattcgc 360
gtaatgccag acaggcttct gctgctctca agatttttca tgaggctcga taacgtactc 420
ttccggcttc gagataccag attatatgtc gactttgaga gtaaggaggt cattagagag 480
tatcaatcca aggaatgcga ttacgaaaga gtccgccagg tactgtgctc taaataa 537

<210> 19591
<211> 528
<212> DNA
<213> A.fumigatus

<400> 19591
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tactcacggc acttgataga ccacttctca cataatgcgg agcatcgcat ggatgttcta 180
cacggtctga caagtcgcgc catccggaac aagtttctca aagacctttt tattcaatgg 240
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attaacgagg ctgatctaat cttacatatc ggccccaggc ctggtggaaa gcccggcatc 480
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<210> 19592
<211> 378
<212> DNA
<213> A.fumigatus

<400> 19592
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gttatctcgg tgaaaggatt cagaataata actcagaagc tccctatttt gaaagctgag 180
cctatcgagg agatgacgag aaggttgggt attgcaccgc cggaaatgat cttcggcgac 240
aaccatgtca ccatcgaatc tgaaaataag gactggggca ttaccttcaa tgcatttgac 300
gcgctggatc gtgtcgacaa gacgggcacc tctatgctca gagtcgcgca ttcaaaggaa 360
tggcaaaaga gcaggtga 378

<210> 19593
<211> 522
<212> DNA
<213> A.fumigatus

<400> 19593
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gacactatca tggatgacga gcaccatagt actgacgaat acattgcttt cttaaacacg 120
aatgccagta acgctgatcg tcctcgggat atctattggg gcttagctat gataccctt 180
ttcttatatg gacatcatac gaaggtgata gagacgggaa tgtcgatgat ggacacgatt 240
cctaggctct ggtctgctcg cgttggatat gttgtctact tttacttagc tctatctcta 300
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<210> 19594
<211> 2004
<212> DNA
<213> A.fumigatus

<400> 19594
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agcatccttg agtcgagcca agtgatgtcc tctgaacttc agattgataa actcctaacc 120
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<211> 1209
<212> DNA
<213> A.fumigatus

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<210> 19597
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<210> 19598
<211> 468
<212> DNA
<213> A.fumigatus

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<211> 369
<212> DNA

<213> A.fumigatus

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<210> 19600
<211> 270
<212> DNA
<213> A.fumigatus

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<210> 19601
<211> 528
<212> DNA
<213> A.fumigatus

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gacaacaacg ggatcgccga gtccgagggc gaggagttgg agattgtgga gatcatcaag 480
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<210> 19602
<211> 561
<212> DNA
<213> A.fumigatus

<400> 19602
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<210> 19603
<211> 837
<212> DNA
<213> A.fumigatus

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<210> 19604
<211> 591
<212> DNA
<213> A.fumigatus

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<210> 19605
<211> 6996
<212> DNA
<213> A.fumigatus

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<222> (3393)
<223> Identity of nucleotide sequences at the above locations are unknown.

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<212> DNA
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<210> 19609
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<210> 19611
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<212> DNA
<213> A.fumigatus

<400> 19611

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<213> A.fumigatus

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tcctttcccc ttcccatcac taccgtggct tctacactgg acgtgtcgca aagtttccgc 180
cacccgacct ga 192

<210> 19616
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<212> DNA
<213> A.fumigatus

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aatttacgct ctgttctgtc tattcttgtt tag 213

<210> 19618
<211> 366
<212> DNA
<213> A.fumigatus

<400> 19618
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atacgacgca aggagaccgc aagggccacc aaagccgcca cagcccgaga ggaggaaaac 300
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<210> 19619
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<212> DNA
<213> A.fumigatus

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<210> 19620
<211> 300
<212> DNA
<213> A.fumigatus

<400> 19620
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<210> 19621
<211> 246
<212> DNA
<213> A.fumigatus

<400> 19621
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gagtga 246

<210> 19622
<211> 906
<212> DNA
<213> A.fumigatus

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<210> 19623
<211> 210
<212> DNA
<213> A.fumigatus

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cgattcacag acaagagcgc ggaggaatgg cgacagatct acaaggtacg attgcgcggg 180
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<210> 19624
<211> 4197
<212> DNA
<213> A.fumigatus

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<210> 19626
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<212> DNA
<213> A.fumigatus

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<210> 19627
<211> 300
<212> DNA
<213> A.fumigatus

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<210> 19628
<211> 303
<212> DNA
<213> A.fumigatus

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<210> 19629
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<212> DNA
<213> A.fumigatus

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<210> 19630

<211> 1896
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1567),(1586)
<223> Identity of nucleotide sequences at the above locations are unknown.

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aaggatgaag cgctgagaca gttcctcatt gtgagcatat tccccccccc cctctctctt 1860
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<210> 19631
<211> 366
<212> DNA
<213> A.fumigatus

<400> 19631
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tggaacatcc cgtccgttgg agaggtccag cttagctggg tccccaaccc tgccgtcagc 180
gctgctacgt ctgctcagat ctcgggccct ggctcggata ctaagccgac ttcggacgaa 240
gatacggtca tggagtctac ggcgggctcg tcgcaacctg cggaccagct caactctcgc 300
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gagtag 366

<210> 19632
<211> 333
<212> DNA
<213> A.fumigatus

<400> 19632
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atcttccgcc ttttccaaca cctcaccacc gctgaagaga cggacaccac cctctgcctc 180
accgagcaat ttgcgctcac cctgcaaacc gacaaccaac tgctctccca agccgcgatc 240
ttgattgtca tcatcttcac ctcgttcgaa attcgatgtc ttgacgtcaa tgtaaacggc 300
atccttatcg accaaaaacac caccgacatc tga 333

<210> 19633
<211> 510
<212> DNA
<213> A.fumigatus

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tcgccgaatt cttcttcgcc tacacctccc tgtcgcgcat tgtctttcga gttggcaaaa 180
ccttcgcggt cttcttcctc aaatcgcagt cggagttctt ctttcttttt ggcgttgcgt 240
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ttgtcggaga gtccattgaa cacctcaccg gtctcgagat cctcaaaagc gccgtctccc 360
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<210> 19634
<211> 3300
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (16)
<223> Identity of nucleotide sequences at the above locations are unknown.

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gatatctcca agattgcgga tattgttctt ctgatgatcg atggtaatta tgggtttgag 180
atggagacca tggagtttct caatgtcttg gcctccagtg gtatgcctgg aaatgtgttc 240
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gttcctggtg ttggtgactt gacagttgcg ggcattgagg ccctcccgga cccgtgtcca 660
accccgtata tggaccagca acttgccaag acatctggca agtcaagtaa acgcagacta 720
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ctcggtgagg cagagggtgg tgtccgtctc ttcagcggtg gtgaggtgtt ggaaaaggcg 960
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gaagaattag atgaggatgg agaagacgat gatctcagtg atgaagagga tggtgacctg 1140
gaagatgttt ccgccccacc agattttgaa gagaatttca aagcaaggca gaatggcagt 1200
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<210> 19635
<211> 1851
<212> DNA
<213> A.fumigatus

<400> 19635
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<210> 19636
<211> 480
<212> DNA
<213> A.fumigatus

<400> 19636
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gacccccccgc ttccggaaaa cagccccacg gttgggtaca aactgaatca cttcatgctc 180
cgtatccgcg agccgcagcg gtcactccac ttctacatca acctcatggg catgcgcaca 240
gtcttcacca tgaatgccgg ccctttcaca ctatactacc taggctaccc tcccacatcc 300
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caaaccccag ggttgctgga actgtaccat gtccatggga cagaaaaagc ggacgcagag 420
ggcggcttca acatgtccac tggcaatacg gcgcctcatc tcggctttgg acacttatga 480

<210> 19637
<211> 231
<212> DNA
<213> A.fumigatus

<400> 19637
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ctctcgtgtt ggttttctta cagcctcagt catcatcacc taagggaatg ttcggtcttt 120
cggaaagatt cgatagtgac gaggacacac atttatcctg tatccgtctg catccagaag 180
cgcccgcagg cgactaagga acataattct cgaggcatgc ttcgacgttg a 231

<210> 19638
<211> 198
<212> DNA
<213> A.fumigatus

<400> 19638
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caattagctg atgcggttca aggtcttcca gtgaacaaca aggcggtgtt ccttttcatc 120
tatactcagg ggcgaaagtg tctcctttgg ttgtactact ttgtattcac acatcaaatc 180
ttgaacatct tcatctga 198

<210> 19639
<211> 207
<212> DNA
<213> A.fumigatus

<400> 19639
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gatacccgaa tgttccgccc gttggacgtg ttcccgaaat tagaaaattg tcatcaaagt 120
gccgaattca tgatttatca gtactccgta tggccaattg atcccaaacg ttgccgcctt 180
agccctgagg cgcgagtctt gatttga 207

<210> 19640
<211> 186
<212> DNA
<213> A.fumigatus

<400> 19640
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accaaccgtc tgctcatcta cccatttctc ctgtcctcct ttgccctgca cgaacttctc 120
gtgaaagatc tggaaatgaa ccggtggccc tccaaaagat gtgaatccca gatgccatgt 180
tcgtag 186

<210> 19641
<211> 1269
<212> DNA
<213> A.fumigatus

<400> 19641
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ttggaacatg tgacgaaaca ctaccgcggt gaggtggtct atgtgccaga ggacgatgcg 180
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ccgcgctaa 1269

<210> 19642

<211> 288
<212> DNA
<213> A.fumigatus

<400> 19642
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tccctcttcg gtgatccggg agttcttcga tttgattgcc tcctcgagtt cacgcaattc 180
ctcgtcaaaa ccggtcagtt tagctctctc gtcctcaagc tgcgcttggg caatgtcatg 240
agcatcctaa ggaacggcat tagatcaaca cagatgatac atgggtaa 288

<210> 19643
<211> 444
<212> DNA
<213> A.fumigatus

<400> 19643
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ctcacgggac tatatgctca aaccttggtt gactactctg gcgtggccaa taccagccag 180
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gcttttggta tgcttatcaa ctaa 444

<210> 19644
<211> 399
<212> DNA
<213> A.fumigatus

<400> 19644
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<210> 19645
<211> 975
<212> DNA
<213> A.fumigatus

<400> 19645
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<210> 19646
<211> 807
<212> DNA
<213> A.fumigatus

<400> 19646
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tttacggcta tttttggatg tttaaggttt tgtgccacag tcgctggaag ggagctgacc 180
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aatatcctag atgccatctg ctttgttttg ggaattacaa atatgtcgac cgttcgtgcg 300
caaaaccttc aggacctcat ttacaagaga ggccaggctg gtgtcaccaa ggctagtgtg 360
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accatttcag ttactcgcca gatcgtcctc ggaggcacca gtaaatacct gatcaacggc 480
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gaaatcttgt cgatgattga ggaagcagct ggaacgcgta tgttcgaaga tcgacgagag 660
aaggcggtca aaacaatgtc caagaaggaa ttaaaactgc gggaaatcga aggtttattg 720
aaggaggaga ttgagcctaa gttggagaaa cttagagctg agaagcgagc ttttctcgat 780
tttcaacaaa cacagaacga cctgtag 807

<210> 19647
<211> 1566
<212> DNA
<213> A.fumigatus

<400> 19647
cggttgaccc ggctggtggt tgctcatgac taccttcgaa gcggagagcg gttgcgagtg 60
acgggcgagg aatgcgagag caaacgaaga aggatgcaag cgctcgagga gaacgccgcc 120
aagctcaaga atgagatctc ccatttggaa gaggatatga aacgggtcag agctgctcgt 180
gacaaggaat tgcgaaaagg aggcaaattc caggctctag agaacgaggt caagtcgcat 240
tcgcacgagc tagtccggct gaccacgcaa ttggacctta agaacgccag cgtctcagaa 300
gaacaagaga agcgagaaac agttagaaag accgtcaagg atcttgagaa agttctcaag 360
gagaagaggg aggtctacga taaactacag gcagaatatg atgccgcaaa agctgaactc 420
gacgcccaaa cagccgaggt cgaacaaaag gaggaactgc ttcagacatt acagaccggc 480
gttgcatcca aggaaggtca agaaagtggg tatcaagggc agctacaaga tgcccgtaat 540
cgcgccagtg cagcggcaac cgaacaagag caggccaaac ttaagatcgc tcacctggaa 600
aagagaatca aagaggacga gcctcgtgcc aaaaaggcaa agcaacaaaa ctccgggctc 660
cttgatgaac tggaaggctt aagggctcaa gcgaagaggc tggaagcaga gctcacaaga 720
ctcggctttg agcctggaaa agaagaggcg atctaccaag agcagtcgga actgcaaaga 780
gacattcgag atttgcgcga gagagccgac gggctcaaga gaaaagtggc aaatgtcgac 840
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cagctcttca ctttggacaa ggacaaggtt caggccgcta ctgccctgga aatttgtgcc 960
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accttgatat gcgaggacgc ggataccgcc aagagagtga cgttcgaccc ggctgtccga 1260

atcatgagtg tcacgctgga gggagacgtc tacgacccat ccggaacgct gtctggtggt 1320
agctcgccca attccagtgg tgtccttgtc accctgcaga agctgaatga gattacacgg 1380
gaaatgagaa gcaaggaacg gcgtcttgca gccttagaag acaccatgag gaaggaaaag 1440
aagaagctcg atactgtccg ggccgtcaaa caggagttgg acctcaagag ccacgaaatc 1500
aagctgacag aggaacaaat cagtaataac tcgtcctcat cggtaggtgg tccaacaggg 1560
atctga 1566

<210> 19648
<211> 408
<212> DNA
<213> A.fumigatus

<400> 19648
ctctggagtt cttctgactt tgggcagatt attcaagctg tcgaagaaat gaaatcaaac 60
atcgagcagc tgaaaaagga catctctgac gcaaaaactc gtcaggccga ggcaatgaag 120
gatatcaaac ggatcgaaaa ggatatgagt gagtttaata acaacaagga tagcaagctg 180
gcggaattgc aagctactct ggattctctc aagaagaagc ttgccaagaa ctcgaattca 240
gtcaaggccc tgcaaaaaga gcttcagatc tcgaggctcg aatctgaaca ggttggcagc 300
gatttgtcgg cggcagagga acagtatgcc gaggccgaga atactctgaa agctcagatg 360
gaagagatcc agtccatgaa gcgcgaacag gcccgagtca aggtttga 408

<210> 19649
<211> 612
<212> DNA
<213> A.fumigatus

<400> 19649
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gggctagtgt ggggtcagcg tgccttgcag cagactccac agaggcagca gcacccgaca 120
tcccaagcac cctcacgcgc ccctcagaca cagtcgcatc atccgcaaca acaatcgcag 180
ccatcacacg atgatgtatt tctctctggt gctcaattcg caaaccgtct agacgacttt 240
cgaaatggtg gacagggtat cagcggtcaa ttaggtggtt ctgcacagcc acagacaggc 300
aacattgacg agttcccccc tctgggacgt aatgtcgctg cggatctcgg ccaagatcgc 360
agagaatctc tgatgcaaag tgctggactc ggtaattttg gcggcacaat gcccttcact 420
ggcgcaaacc agaaccagtc tgctcaaaat cgcaccatga ttggagggtc gatcaatgga 480
caagatacct cgagaatgat gtcacctaca aatgctgggt cgacgggtat gtttttcttt 540
ctaattttct ttgatggaga acagggtgct gactgctttc tcagccatcg gaacctcacg 600
ctcacccgtt aa 612

<210> 19650
<211> 246
<212> DNA
<213> A.fumigatus

<400> 19650
gatgctcatg acattgccca agcgcagctt gaggacgaga gagctaaact gaccggtttt 60
gacgaggaat tgcgtgaact cgaggaggca atcaaatcga agaactcccg gatcaccgaa 120
gagggacttg agatgcagaa gcttggtcat cagcttgaga agctgcaaaa agaccagcag 180
gcagctgccc aaacggttgc gcgcatggag gaagagcatg aatggatcgc agatgataag 240
gacaac 246

<210> 19651
<211> 603
<212> DNA
<213> A.fumigatus

<400> 19651
cgaattcctt catcgcagtt gcactcgaac cggcttaaga aggaagctgc acgcgcggag 60
gcaacattca agtcagaaaa ggcaaaagcg gacaaggcta tgaagaatcg cgagtttcaa 120
attgcccgta tccacgcggc ctctgctgta cgagagaaac gacgacaagt aaccctcaga 180
gccgaggctg cgcgggcgga cgtcattata aatgaactga aagccgctca gagcactcgc 240
gatacatccc gaaccctcgc tctggcctca aggggcctgg atgcggcgtc gaagagtgtc 300
aatctcgaaa acctggtgtc tcatgcaaat aacttcctgg cgcgatcgga agatttcaaa 360
atcgctagta gtgcgataga ggatgtcgct caaggtgtct ctatgcaaga gtatggtgcc 420
gagggtgagg ccgaagttga tcgtcttatg gaacagcttg cagacgaggc gggtgtggac 480
atgcgcctag cgttggatgc tgatgcagca cccaaggaag acgtcaaaga gcagaagcag 540
gccgactcgg agctggagga cggcttggga gcgagactac gtgctctcag agctgcaagc 600
tga 603

<210> 19652
<211> 225
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (26),(44),(116),(146),(181),(183),(223)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19652
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gaggaggcga ttaagcgccc caagactgat gcagcaggat ctgatgctgc tcgganactt 120
atctcggatc tgcaagatct ccttangagg acacaagggc attctgcgcg gagtgaggtc 180
nangagacat cagatgaccc tgaccagtca cggacgaaat ctncg 225

<210> 19653
<211> 1332
<212> DNA
<213> A.fumigatus

<400> 19653
agtccttgtc tgggtacatc agcacccgct ctcccgctac tcacagtctc gcctgcggat 60
acatcgttga aggcgccaga gaccatagtg caggagacaa agacagagga gaagaaccac 120
ctaagaaaag gaagtcatgg ggacaggagc tacccattcc aaagaccaac ttgcctccaa 180
ggtatgttct atcgcgtccg acgaagtcag ttgggtcagc tgacttacac ttcccaaaga 240
aaacgggcca agacagaaga tgaaaaggaa cagcggcgca tcgagcgtgt tctccgaaac 300
cgtgcggcgg cacagacgtc tcgcgagcgc aagagacttg aaatggaaaa gttggagaac 360
gagaagattc agatggaaca gcaaaatcaa ttccttctcc agcgtctatc gcagatggaa 420
gctgagaaca atcgattgag ccaacaactc gcccagttga ctgccgaggt tcgaaactct 480
cgtaacagca ctccgaagcc tggttctcct gccacagcat ctccaactct cacaccaacc 540
ttgttcaagc aagaaggtga tgaacttcct cttgaacgaa ttccatttcc cactccctca 600
atcactgatt actcgccaac tctaaagcct tccagtctgg ctgagtcctc cgacgtgaca 660
caacatcctg cagcggtgtt gtgcgacctg cagtgtcagt tggcggactc gaaggacctg 720
gaagtgccct cccgcttttt gacctcggct ctggcgtgga acatgacgct gcaaatgaca 780
ttgcagctcc tctttctgac gatgacttcc accgcctatt caacggtgat tcatccactg 840
agccagattc ttcggtcatt gaagacgggt tctcctttga cattctcgac tcaggagatc 900
tatcagcatt tccatttgat tctatggtta atttcgactc cgagcctgtc gccctcgaag 960
gcatcgaacc ggcccacggt cttccgaatg agactcctta ccagacttct ggcttgcaac 1020
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gagaatgtct ctcggggaac ttggtccgct ggtgatgacg caggccgact gcactgggag 1140
tcgttgttga ctttggtttg ggcgatagat cgttttgagc gaacgagagg tcgaggacgg 1200
attctcttcg cgaaattcga gcgaggtgcg cggcgtgata ctttgggcaa ccgccacagg 1260

agtccacgga gttcatggag ttcaaagcga ttgagcgaga cgttgacgtc tctgatggat 1320
aaggaacgat ga 1332

<210> 19654
<211> 1401
<212> DNA
<213> A.fumigatus

<400> 19654
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gcaccttcac actcatttcc acttgcatct ctgtcactca ttttgcatca aacttcttgc 120
gctttcgctg ccccgtggat agtcaccaag gtgtacgagc aagatgtcta caccgaggat 180
tacggctaca ggaccacaac aaggactctc attgatgaaa tcacaccgac agcatcaccg 240
atgcctgctg ccctttcaac agcaactcat gtaacaagcg acagttatga cgatgctgtc 300
acagttgttc aagtgcttta tccatctggt gcagggatcg agtcaaccta caagtactac 360
atttaccaag actcaaatat tatcacgcag tactttgtgg acatggtact tacagcgcca 420
acgtcgtgct cttcgcagtg gaccgtgacc actgcggttc cagtctatgt tcctaacgct 480
attgaagacg ctctgctagc gacgtccatg tcaacgagct actccgtgga cgatagacaa 540
ccctttcagc caaccacata caccagggct cttgcattca ttgaccctac acaattgccc 600
gcatcgagtc tgaacaggct cagtaactcc taccagcaca ccatttacca cgagtacggg 660
tgctatgaca gtagcgccga tagcggtagc agctactcct actatgatgg tagtgacggc 720
ggcagctggc tctacgaccg ctattattac ggggttatct ctccactcgg tattctgctt 780
gcttgcattt tgggatggtt cggagtatgg ctcatcatcg gcctcatcga gagttggttt 840
cagtttcaac gcttgatgag gggttggcag gctcgccgag gattcccaat ttcttggtgc 900
atgctcgctc ctattgtctc ctgtctgctc cttttattct gccgcaaagg ctttcaagct 960
cgtactttcg aggaggcgca ggtgcttcaa gagaaatggc aacaaatggg attctggagg 1020
aaagtcggcc tgtggcttcg gtggggtttc ggattcagtt atccacctat gctgggtcca 1080
gctccagtca aggtcgaaag gccttccaag cgacctgttg ctgccaccgc tcctctcctt 1140
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ggagacagtg ctgcgtctgg tccagcaatg gcctatattc caacgccagg ccagacgctg 1260
caagttccgc cttcaatacc gtcaaacaga caacagcagg cccccgatca gcccatacct 1320
gaagttccat caacgactag cggtgctctt cctgctaaca cacatgcaac cgaaacggct 1380
agtgagccgc ggacttcata g 1401

<210> 19655
<211> 258
<212> DNA
<213> A.fumigatus

<400> 19655
attagcacac acattccttt tctcttgcct tcttcctttt tctttttctt tttcttttc 60
cttttccttt tccttttctt ttctttcttt tttttttgg ccccccgcaa gtatcaagtt 120
tgcactactc cgtacattgc tgatctcccc ggcctggctg acctgaatgg ggcttatgtg 180
gatgccgaaa tcccaggcaa tggtagacca cataattccc taatggaaaa tatcgtggtt 240
gactactttc gacaataa 258

<210> 19656
<211> 183
<212> DNA
<213> A.fumigatus

<400> 19656
cgtcctaatg accgtcgcga cctgacaggt gatttccata ttttggatgt cagcaaggaa 60
gaagccaggg tgacttttat ccaggggtca tttgtctggc tcgcaagaca tgatcatcag 120
atagcagaat attcgtctcc ccgtctagaa attatccagt atgtcaccca tgttagacta 180
tga 183

<210> 19657
<211> 1047
<212> DNA
<213> A.fumigatus

<400> 19657
ttgtcctgga tgaagtatca gcgatggctg cttacccgca ataacctgtg ggctcccaag 60
cgaccgtcag ttgtcgccag caccaatcaa ccggggtcga tatcgttaat cagctccagg 120
gatggacgtt cggtatctac gacctctcag agtcgatttc atcccctgaa acccctccgc 180
gaggtgaaga ttgatgaatt ccgccgtagc tacttccacc cggaacttcc tgtccttctt 240
ccttatcggc actttcgcga tctccccgca tgtgagcgct ggttccaagt ggtcccttca 300
tccaacggcc atgaccgcag attaaacacg gcatatctac aagagcatgg cggggatgca 360
ttcgtccccc tcgaactcac gcaatcgccc gcagatacca cggcgccgga tgcaactgta 420
cctgaatcga acgagctgag cttccagcag ttccacgctc cattgagtct gttcctagat 480
tggatgcgaa ccgcagaatt gcagtcgcag gctacgcgac tctatctagc gcaatgccag 540
ctacttgatc ttccaccagt tctccgcgat gactttccca cccccgaact cgtgctaaag 600
gcgggcaaag gcgacatcta cgatacaaac gtatggatcg ggcacccgcc tacatatacc 660
cctttgcacc gtgacccgaa cccgaatctc ttcgtgcaaa ttgccggaca caaggttgtg 720
cgactcctgg cccccgatgc cgggaagagg gtgttcgcgt cggtcaggcg ccgattgggc 780
cggagtgggg atcgcgaggc agctgctttc cggggcgagg agatgatgca ggggcaggaa 840
aggactttgc tggagcatgc cgtgtgggat gatgcagact cggacggtac caataatgtg 900
ctagattttg gatacgaagc tcacttggaa accggcgacg ggttatttat accaaaggga 960
tggtggcata gcatcaaagg tgttggagag ggcgtcactg cgtcggtgag tttcgtctac 1020
cctccggttg ggtacgcgct gctctaa 1047

<210> 19658
<211> 282
<212> DNA
<213> A.fumigatus

<400> 19658
tcaggcaaga tgccctcttc ggtggcaagg atccataaac gccattcata tggcaaagat 60
gctcacacct actccccggt tctcgtgatt ggtgcagggg tgtctggcat tgctacagga 120
tgtcgactca aggaagctct tggctttgat caattcagaa tctttgaaag gcaatcgggc 180
atcggaggta cttggtggat aaaccgctac ccaggagccg catgcgatgt gtatgggcat 240
ctcaaggcat ttatgctctg tcgaagcgac tctttttgct ga 282

<210> 19659
<211> 1008
<212> DNA
<213> A.fumigatus

<400> 19659
gtgtttatta gtcccgcgct gttgtactct ttttcatttg ctccaaagaa agactggact 60
accctacatc cccccggacc ggagattgtt cagtacctgg ctgatgtctg cgaaaaatac 120
cagatagtcg acaagattca actcaacaca gctgtcaaag aaatgcgatg gttagaagat 180
gcggaagagt ggcaagtcac gttattgcat cttgttcctg gtaccggaga cttatccgaa 240
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attgtgcgag caaagattgt tgtcagcggg gtgggtgtgc ttgtcgagcc taaaaaatgg 360
cctgaaactg tacccgggat tgagacgttc gaaggcgagg tcgttcatac agctcgatgg 420
aagagcgatc ttgatctatg tggtaaagac gttgtcatca ttggctctgg ctgcagtgcg 480
acccaggtag tctctgagct gacgaaaccc gagtacaaga tcaggtcaat cacgcagctc 540
atgaggtcac ctgcctggtt catgcccgat ttcctgacgc cgaagtcgct caagaaatgg 600
gagaagtaca caccgccatt gtttaaaaac gtccctggcc ttgcttttgc tgcgagggcc 660
ctgctgttcc ttctcttgga atgggatttt ctcacgatct tcaaggacaa taagtattcc 720

cgccggaatc gttccagaat agagaggaaa ttcctggagc acatgcgagc gactgctcca 780
gagaaatatc acgacatact cattcccaac tacagcctgg gctgtaagcg acgaattgtg 840
gagtccaact attatgccag cattcatgcg cccaattttg agctgacgac gaagcccttg 900
ataggcgtcc aagccagaag cgtgttacta ggccctgatc gacattatcc cgccggaaag 960
tcaggagtca acggatgggg tgagacagat agcggcggat gtcattaa 1008

<210> 19660
<211> 405
<212> DNA
<213> A.fumigatus

<400> 19660
ttctggccca acggatacga gactaataaa ttccttcatc ctctcccggt tttcggtcgg 60
cgcgggaaaa cccttgacga gatttgggag gaacgtggag gagcgcaggc ttacctgggc 120
attgccatgg accatatgcc gaatctcttc ctttcgtttg gtccgaacac agcgaccggc 180
catagcagcg tcattttcgc ggtcgagaat gccgtcaatt actctctgaa cttcatcaaa 240
cccattctgg aggggcgtgt cagctggttc gaggtgaaag agaatgctga gcgcgactgg 300
acggacaaag tacagaggag ccttcagggc accgtctttc gacgcggagc ttgcacaagc 360
tggtaccaaa ctgatgaagg ttggaactcg tccacctatc cgtga 405

<210> 19661
<211> 297
<212> DNA
<213> A.fumigatus

<400> 19661
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gctgcacgta tgtgccttga actgggtctg caccgacggg aggcgttgat gaaatccttt 120
ccgaacgagg atcaatgggc cgacgtcacc aaggtcttct ggacgatcta cagtttggat 180
agacgctgga gtcttggtac cgggctaccc tttgtcattc aagatgagga tgtcgaccct 240
aacctccccg agcctgtaag tcaaaagcca ggaacgacac gcgtcacgca tgtctga 297

<210> 19662
<211> 1152
<212> DNA
<213> A.fumigatus

<400> 19662
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tttcgtcggt ctatgacgtt tgagttttta tggagagaaa atgactgtgc gataggccga 180
tacgccccca attgctgcaa caataacttc aaggattccg agtatgttct atctcccttg 240
tctctgatat ggcttacctt gctgtcggta aggcagctga caagtgtggt acgggacagg 300
gagttccgtt cgatgaaaga ccagatcaca actctgcagg aacaggtgaa cagtctcttc 360
actagtttga atgatcttcg gaatcaaaga tcatctttgg actcgccgaa tctggaggac 420
ctctctcggg atggctcaca gtcggtcttt acgtcgatgc acgcggctac cgtcagacct 480
cgcgtaagac atctgcggtt tcacggtccc actagctccg ccttcaattt tgatgtcgct 540
agatccagtc ttcagaccat gggcattgca cccgccgaag aggtcatgaa cgacgacatg 600
acaacggccc aagccacgcc ggccgcatcg ccgcctgctc agcaggctgt attcacacag 660
tccatacatc caaccaaaga tccaatatgg gcaatcaaac gggaggaagc tctacgactc 720
tgccatgtct atgaggaaga agtcggtatt atgtatccgc ttgtggatat tgagaaggtt 780
accaatcaag tcaacctgct ctatactttc atggaggctg cattgcgaac tggcttcgcg 840
cagcgagcat tcccgggccc agactctctc cttgatgata atacaattct cctcaagatg 900
attctcgcca taacgttgat tgtggagggg agcgggcgaa gtgatctggg tcaacgttta 960
ttcttgagtg tcaaaccaat cattgaggct aagctttggg gaccgatcga catcaagacc 1020
atccagctct ttggcatggt ggtatgtatt gtcattctga tgatatccga cccgcccggg 1080

accctgacta aatgttctga caggcaactt accatttcca cacggatgac gatgcgatgg 1140
cctaccgagt ga 1152

<210> 19663
<211> 210
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (5)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19663
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ctatcggcac ctttatataa cttctttcat atccctttga ttatcaagat gtaccctgtt 120
tactcgatct cttctgttcc gatcaccagc tttgcagact cctcagcccc agatcttcaa 180
gcctccgaca agactgtcat gtttgcttaa 210

<210> 19664
<211> 1692
<212> DNA
<213> A.fumigatus

<400> 19664
atgctcttgc cctacgaaga caccgcctcg cagattgtgg agataatctg gcccttgtca 60
gcagtggcat ctcgcagcga ctctaccaca ggctgcaaag gtgttttacc cctccgtact 120
ttcattcagg agactctccg tcggtcgcgc accagctaca gcactctgca ggttgccctg 180
tattatttga tcaagatcaa ggagcacgtg cctcgctaca atgcggaaca ggagcaacca 240
ccccggagca agccggtctg ccgtgccatg caatgtggcc gtcgcatgtt tcttgccgcg 300
ttgattcttg catcaaagta ccttcaggac cgcaactact ctgcccgtgc gtggagcaaa 360
atctccggcc tgaataccgc ggaaatcaat cagaacgagt tgatgtttct tgaagcgatt 420
ggttggagac tacatgttac agaagccacc tttcagcgtt ggacggacat cgttctgaag 480
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cccaagctca ctcctgaact ggacacagtg gacgtagagc tttccacacc ctcttctatg 600
gtaggatttg aatctggcct tgtgtcggac tcaccttctc ctcgttcccc gtcgacgggt 660
gagcacccca gcccgtcatc catcttcaat cagggatcgg cgtatcagcg gtactcgccc 720
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tacttgggct ag 1692

<210> 19665

<211> 396
<212> DNA
<213> A.fumigatus

<400> 19665
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caatttttca gcaaagcccc cgccggtccc accataacaa gaacctttgc ttctagacga 180
gcagccgcca acaacgcacg cgataccaac cataccaccg ccgagccaga cgaaaaggac 240
ctcaccgcag cccgggagtg gcttaacaag ttcaattcaa agacagtcac tatccctcgt 300
gacatctgcg agatttcctt tagccggtcc gggggtcctg gcggtcaaaa tgtcaacaag 360
tccgttcctc tgccctgtag ttttatcctg cactaa 396

<210> 19666
<211> 522
<212> DNA
<213> A.fumigatus

<400> 19666
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atgatgagag tcagaagaca acttgaagct gtcccagcaa atgttagcgc cacaaccaac 120
aagccacgcg gagccaccag tgcggaatcc ccagtggaat tgaagacatc catttcctac 180
cttcagatca cattcgcgac gattctactt ctcactattc ttccgctgta tccatattcc 240
cattcaaatc tcatctatta taccttgatc aaaatgggct ggctcccttg gtcctccgac 300
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tgctgggaag gccgggatct gttcttctcc tgtctggaca aaagcaacat catcgactcg 420
atcaaagaag ataaggaggc gcggcgtcaa tgcgggaagg aactggcgca gtttgagggg 480
tcgtgtgcga aagcttgggt atgtatctcc tcccaggctt ga 522

<210> 19667
<211> 183
<212> DNA
<213> A.fumigatus

<400> 19667
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cgtaccgttc aggagttcta tcccgagatc tgtacccatc tcttcctcgg aacggacgtg 120
gagatggcga tcgtggaggg ggtcgataat cgtcgcgtct gcggtggttc ggctcatctc 180
taa 183

<210> 19668
<211> 543
<212> DNA
<213> A.fumigatus

<400> 19668
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tacgtgacag agggaggggc acagcttccc atcaacgagg cggggttcat gattcattct 180
gagattcata aggcccgtcc agatgtggtg gctgcggcgc atacgcattc gattcatgga 240
aagacgtgga gtgcgtttgg gcgaccggtt gaaatgctta ctcagggttt gtgttataga 300
tataccatga aaggttgtgg ttggagaacg ctgactcttc cggtagacgc ctgtaacttc 360
tacggaaagc tgagcgtata tgatgatcat ggtgggattg cactagcccg ggaagagggt 420
gagcagattg caaaggctct aggcgagaag aatatcgcct gtattctgca gaaccatggg 480
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tga 543

<210> 19669
<211> 879
<212> DNA
<213> A.fumigatus

<400> 19669
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caccctaacc ccgatgtccc tccctctgcc tcctctcagg ctgcccagat cctgcccgtc 180
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tcgggtgcca gctcgttgcc tccaccacct ggtcccagct tccagcaacc ggccccctca 660
accgccgaat cgtctcagga gccccccgca acggcagctt ctccgaatgg tcgcatcgag 720
aagccggtcg gccgtgtcgt caaacccgga gacgaagatg ttccgtgggg cccagacgta 780
cagaagaaat atgaccaatt tctacatgat gagagagtgt acgtaactga gggactttgg 840
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<210> 19670
<211> 762
<212> DNA
<213> A.fumigatus

<400> 19670
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gatttgtttc atatctttca ccaatacggc aaactggccc agatatcgat taagcaagcc 120
tacggtttta tccaattcgt cgacgcctcc gcctgcaagc atgcgctcga ttgtgagcaa 180
ggagctgtgg taaggggtag gaaaattcgt aagttggcac tgcggtccct gcgaatattc 240
gggcctgggt tgactctgcc ttacgcagac cttgagattt caaaaccaca gaggaatact 300
cgggcaggac caccgccacc tgaaccatct cgtggtgctc caccccggcg gtccaggtcc 360
ccggaataca gcagaggcgg acctcccagc agccgtaata cgagggcttc gggagatcgc 420
tatgatcgac cttacgagtc aggtagagtc ccatttagtg actttagaga tgagccgaac 480
caccgcagac gcgacgatta tcgacccccc ccacgatcgc catctccacg tccgttccga 540
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cgcagcgcat acgacagtga ttcggacttg ccagtgccca ggagagcccc gcgagacgtc 720
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<210> 19671
<211> 306
<212> DNA
<213> A.fumigatus

<400> 19671
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attgttcgaa agatcattct cctgcaaact gcctactatg tctccgctac agccctgatc 120
ctgttcacga ctttggttta cgggacgggg ttctcgctcg atttcgtttt cagctgggat 180
gccttaaggg gggacacaac aatagggtgg atgctggggc tagtatggat gttaaacagt 240
ttactcgggt attgtatacg cctttcgctc ctacaaatgc ttggttcgct gaccaaatat 300
gattga 306

<210> 19672
<211> 408
<212> DNA
<213> A.fumigatus

<400> 19672
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tcaatacccc gcaacttgct ttggtggtgt ctccaatgtg ccagcgcagc tctgatgacc 180
tttctgggta tctgggcctg ccagtggcgt gaactcagac ctatcacgtt tggaatagca 240
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gaaaacgaac cgttcttgcc atcacgcgga cgcggccgag ggcgacatct gggtgagggg 360
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<210> 19673
<211> 357
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (113)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19673
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cctgccgcgg cagacgagaa gttccaggcc atcgcacgcg gcaatcgcga aggcactctc 180
aagctccagg gcatcccaac cttctccgac ccctacgagc agcgcaaatg gatgaaagaa 240
catatggcgg ctgcgttccg cttcttcggg aagcagggct atggagaggg agtgtctggt 300
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<210> 19674
<211> 198
<212> DNA
<213> A.fumigatus

<400> 19674
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agtttggata atgcgtgtcg ttcgcagttg atggctgatg ccgcggctgc gaatggagtt 120
cctaaaaaga ttatcaacca tgaagtggcg cagtatacag ccgacgccgt ccagaaccct 180
gtatgttttc cctgttga 198

<210> 19675
<211> 405
<212> DNA
<213> A.fumigatus

<400> 19675
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tccgcgtcac catctcccgc tacagcacca gcaccaacac cgacgacgcc gtcatccaaa 180
cccaacaagt ccccgcccca ggctccggca gcatccgcgt cctcctcctc aaccgcccca 240
aagctcgtaa cgccctctcg cgacacctcc tcgacaccct ttccaagcaa atccactcca 300
tcgccgccga gggcggcacc ggcccaaccc gcgccctggt catcgccagc aacatcgacg 360
ccgccttttg cgccggcgca gacctcaaag agcgcgccaa gatga 405

<210> 19676
<211> 645
<212> DNA
<213> A.fumigatus

<400> 19676
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gccgcgctgc agatccccac catctccgcg atctcctcca cagcgctggg cggcggcctc 180
gagctggcgc tgtgcacgca cctgcgcgtg tttgggtcgt ctgctatcgt cggtctccca 240
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tacttcctgg gtctttgtga tcggttggtg gagatcttgc ccgaggagga ggggaaggaa 420
ggggtggcga gggagaaggt gctgcgggag agtatcaagc ttgcgctgga tatctgtgag 480
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gcggcggaga atgaggcgta caatggggtg attgagacgg aggaccggta tgaggcgctt 600
cgggcttttg cggagaagag gaagcctgcg tttcggggga ggtag 645

<210> 19677
<211> 3276
<212> DNA
<213> A.fumigatus

<400> 19677
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gagactgact cgccgattga tacaaatggc gaggaagatc gttggcatga cttttggtgc 180
agagtccgaa atcagtctcg attgagccgg tcgctttcac cctccggctc gaatcacctg 240
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gatgttctcc gtgattctgc acgcagtacc ggggatggac tcggccagac gcagcctgtg 480
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gcacaaagag cacatcatga taccgaagcg acggccgagc tggagatcgt attgcaacag 660
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tatttacagt gggaacctca gcagtctgta cattag 3276

<210> 19678
<211> 369
<212> DNA
<213> A.fumigatus

<400> 19678
tatcgaaaaa tgcctccccg actcccacgc ctcgcacccg ctctctccag ccccctcgc 60
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gtcatccaaa cccaacaagt ccccgcccca ggctccggca gcatccgcgt cctcctcctc 180
aaccgcccca aagctcgtaa cgccctctcg cgacacctcc tcgacaccct ttccaagcaa 240
atccactcca tcgccgccga gggcggcacc ggcccaaccc gcgccctggt catcgccagc 300
aacatcgacg ccgccttttg cgccggcgca gacctcaaag agcgcgccaa gatgacaaag 360
gaggagtaa 369

<210> 19679
<211> 717
<212> DNA
<213> A.fumigatus

<400> 19679
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tttggtgagg aattcgttcg tcctaccctg gtcaacaaaa gatgcggtac gctggcggtc 660

gccacagggg gtaggggttt tcttactcct cctttgtcat cttggcgcgc tctttga 717

<210> 19680
<211> 885
<212> DNA
<213> A.fumigatus

<400> 19680
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<210> 19681
<211> 2415
<212> DNA
<213> A.fumigatus

<400> 19681
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actagcatac aagcgagagt tgcgtcggat cgctacaata ctctctctga gtttctgagt 180
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<210> 19682
<211> 327
<212> DNA
<213> A.fumigatus

<400> 19682
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accaacggtg aacctcaatc tgcgactcca gatccgcctg tactgtcgac acctggaaag 180
cgaaagcgtg gatcgagcca cgatgttcat gctgcccagg atgccggtgc ttctgagtcg 240
caggtccagg aaagggtcaa actacacgaa accctgagta atctcgtgga tatcctcagc 300
aagtgcgcat cccccatgtt ctgttga 327

<210> 19683
<211> 204
<212> DNA
<213> A.fumigatus

<400> 19683
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aatctgatga cacctaggat tgagcagcct gatcagtcta ttgaggcaga ggtgctcaag 120
gctgagacac aggcggcgat ggatactttg caggaattac aggctcagtt tgaagtcgtg 180
agtgctgaag ctaggtccag atga 204

<210> 19684
<211> 837
<212> DNA
<213> A.fumigatus

<400> 19684
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<210> 19685
<211> 915
<212> DNA
<213> A.fumigatus

<400> 19685
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ccattaccag acagcaacct gagtttgatc gggcctcggc tgatcgtcgc ctggccggcg 180
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<210> 19686
<211> 1179
<212> DNA
<213> A.fumigatus

<400> 19686
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<210> 19687

<211> 213
<212> DNA
<213> A.fumigatus

<400> 19687
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ctcgatatca ttatgatcgt caaggaggcc caatatggca ggaggaaaag cgctatgccg 180
tcagtggagg tggctccagt acaagaaatt tga 213

<210> 19688
<211> 207
<212> DNA
<213> A.fumigatus

<400> 19688
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tccggcattt atccatttaa tttccaggga aaacagtttt tcttcacatt taagcaaaac 180
tcatgtatta ttggctcaga attctga 207

<210> 19689
<211> 636
<212> DNA
<213> A.fumigatus

<400> 19689
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atagccgacc gacaggtcag gtcttcagga cattga 636

<210> 19690
<211> 324
<212> DNA
<213> A.fumigatus

<400> 19690
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ctcggcgtct tcagtcccga gcaatataca catgtcacac cccgcaaagg cctgttccag 180
attggagctt tcatcgcaac cttccttact ctctgtggtg tcgtgagcct gtactaccct 240
gacaagccca gcgtgcctca gacttatccc ggcggcttgg agaaggagct tggaggtgcg 300
cgtgctgttc cggtacgttt atga 324

<210> 19691
<211> 1995
<212> DNA
<213> A.fumigatus

<400> 19691
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<210> 19692
<211> 558
<212> DNA
<213> A.fumigatus

<400> 19692
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<210> 19693
<211> 279

<212> DNA
<213> A.fumigatus

<400> 19693
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gttctccgta ttggcggctt gcgggagaag acggtggctg ctcgtcgtgc tggtgcgaag 180
aagattatct tccctgcaga caatatgtcc gactggttag agctgccgga ggtgagtaga 240
atccaaaata catcgtcctt ggtccactct tcgagctga 279

<210> 19694
<211> 2274
<212> DNA
<213> A.fumigatus

<400> 19694
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<210> 19695

<211> 1764
<212> DNA
<213> A.fumigatus

<400> 19695
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gagcagatga agggtatcaa gagagagttg ggtatcgaat cggacggcaa agacaaacta 180
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<210> 19696
<211> 774
<212> DNA
<213> A.fumigatus

<400> 19696
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<210> 19697
<211> 471
<212> DNA
<213> A.fumigatus

<400> 19697
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gtcagttctc cggtcattgc tattgtcggg tcaagagggt ggtccagggc cagcgaaagg 420
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<210> 19698
<211> 561
<212> DNA
<213> A.fumigatus

<400> 19698
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<210> 19699
<211> 393
<212> DNA
<213> A.fumigatus

<400> 19699
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atgctcatgt tgtggtttat tggaacgaaa cgtgagtgct ggtcaaacct ctcgcaggga 360
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<210> 19700
<211> 231
<212> DNA
<213> A.fumigatus

<400> 19700
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gaccctgacg cccccaagta ctttttccag gagaagtatg ccccgttgaa tgtaaagggt 120
aacttcctga ccctatgtgc ttgtccgaag aatgtggagc tcggagaatg gctggctcat 180
caaagtaagc gattcatgta catcgccgtt tggtcagatc ctcggtgctg a 231

<210> 19701
<211> 618
<212> DNA
<213> A.fumigatus

<400> 19701
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gacgggcgtg ccgccaagat ctctgctcca aaattcatca accgcgttga aaagtggatt 180
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cagccaagct ctagctga 618

<210> 19702
<211> 276
<212> DNA
<213> A.fumigatus

<400> 19702
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caagaggtta tatccgccaa aggatgggtc ctcctgaccg gcttcgtcgc ctttgaaatt 120
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tatctgatcg gcgctgtatg ggctctggcg tggaaaggcg aacagaagaa acgccggcag 240
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<210> 19703
<211> 1605
<212> DNA
<213> A.fumigatus

<400> 19703
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<210> 19704
<211> 522
<212> DNA
<213> A.fumigatus

<400> 19704
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cacctgcgcc gctcaaatag cgagcttaaa gcttttatag acgagacttg tgagagtgag 240
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gaagataggc aaaccaacga ggaagaaggc gtctacctgt ga 522

<210> 19705
<211> 438
<212> DNA
<213> A.fumigatus

<400> 19705
gaccagttca atgaatggcc gattcatacc atcactctcg atcagattca gaagcaatta 60
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caaactcaga gagcgcctct ccttccgact tcaaacacac cacaccatgt gcagactact 180
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ttgctcaaag atgcgtga 438

<210> 19706
<211> 429
<212> DNA
<213> A.fumigatus

<400> 19706
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tccgcggtcc cgtccagcgc gtccacatcg accagtccta cgccgccagc aaagaccgcg 180
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cgtactcggt gcgaccgaat cccggcttca agtggtactt ccggtatgcg cagccgccgg 420
agctggtga 429

<210> 19707

<211> 597
<212> DNA
<213> A.fumigatus

<400> 19707
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tgggtgatat tctttcgccg ggaggaaccc tgcatgtcca tgtcgaatga ggcgggcagg 180
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<210> 19708
<211> 1386
<212> DNA
<213> A.fumigatus

<400> 19708
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<210> 19709
<211> 606
<212> DNA
<213> A.fumigatus

<400> 19709
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gtacacaaga tggatgattc tgaaaatcaa tcgctcctac accccacgtc cggtctgtat 120
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ccttaa 606

<210> 19710
<211> 405
<212> DNA
<213> A.fumigatus

<400> 19710
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<210> 19711
<211> 639
<212> DNA
<213> A.fumigatus

<400> 19711
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cctcattctg cgtttgtcga tccggcgacg gagggtgagg cgccgcggga gagtatcgag 600
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<210> 19712
<211> 210
<212> DNA
<213> A.fumigatus

<400> 19712
aacactttga aaagggatgt ggaaagtaag ctccagctcc agttcgatcc tttccataaa 60
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acaatcttca tccatcccag cacgttctga 210

<210> 19713
<211> 900
<212> DNA
<213> A.fumigatus

<400> 19713
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<210> 19714
<211> 615
<212> DNA
<213> A.fumigatus

<400> 19714
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<210> 19715
<211> 987
<212> DNA
<213> A.fumigatus

<400> 19715
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ccagttgtct ttggcaatct caatgtcagc accgtggccg gggatcccaa tttctggcag 180
gtgatgacgg atttccatgc tgctttacca gccatcaatg gccacgccgg gggctactat 240
tggatgactc ccaacatgcc ggtggacaag acattgaatg tctcgtcact gtcaatcata 300
ctcatggctg caaatcaaag cagcacagca atgatggatc gtctcttcgc gcctttcaga 360
tccaagctga acgaaacctc cggtgtcttt acggaatacg agtcgctggc cttccccgat 420
atccatactc ttctctccga tctcctcctt cccggaaggg aagaccaaac tggccataac 480
actatcctag gttcaaggct attctcccac gatttgcttg tttcaagcga cggcccaaag 540
aaactggtct ccgctctaca gaagatcaag ttcgaccccg gacaaggtat caccggccac 600
atcgtcgccg gaggacttgt caccaaaaac ggacggagta tcgacagcgc tttgaatccg 660
gcctggagaa aagcagcgac ccatatcgat tttggtcgcg cctggccgcc gtctgccacc 720
ctcgctcaac gggatgctat cattcgccgc ctgactgacg ttgagatgcc aattctcaag 780
gctgtcgagg gaaagaagat ggggtcctat atgaatgagg ccaatgccta cgagccagat 840

ttccagactg agttctgggg aagcaactat ccgcgactgt atcgcatcaa gcagaaatgg 900
gatcccagtg gtcttttcat tgctcggaag ggagtgggga gtgaggattg ggatgatgct 960
ggactttgcc gggttcatag gaagtag 987

<210> 19716
<211> 186
<212> DNA
<213> A.fumigatus

<400> 19716
gatcggatta gtgcacggtc cgataatgac ttggtccaaa gagggatccc cacctggatc 60
gctcagattc ctgcccgatt ctgtagtatt ctcaacatga tccggctgtt tatcgctgct 120
gtttacttga gaacgattta catgcccact atgacgtgtg agcctctgtg cccgagggga 180
gggtga 186

<210> 19717
<211> 210
<212> DNA
<213> A.fumigatus

<400> 19717
agcagcatgg aaatccgtca tcacctgcca gaaattggga tccccggcca cggtgctgac 60
attgagattg ccaaagacaa ctggaacctc gtcaaaggtg cgcagggtca ctgccacaac 120
aacaccaaag gtgccccctc ctccgccgcg aagagcccag aagaggtcgg tgttccgata 180
gttgttcgca ataaccaggt ggccctatga 210

<210> 19718
<211> 441
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (180),(182),(186)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19718
caggaaggcg aaacccaaaa agaacgaaca gaaaggaaaa aaagagcggg aaacaaagaa 60
aggatgaagg agcaaggaaa agaggaacaa gaggaaagca ggagagaacc aaaggtcgag 120
agggggaaaa aagaggaagg gagcaagtca aaagaccagg agggggggagg aaggaagagn 180
gnactnacat cccatccctc ccatttgtcg cgacactccc atccggcaat gaccatcaat 240
cccatttcat ctgccagatc gtataactct ggatgctcct gcttgccctc cagtcggaca 300
gtgttcagcc ccatgtcgag catatactgg aagatattcc gcacacgatt ggcatcgaac 360
cggagaaaca aatcaggcga gtaccctccc ccgagaacca ggaatggcga gccgttcacg 420
gtaaacgctg tgtcgttatg a 441

<210> 19719
<211> 870
<212> DNA
<213> A.fumigatus

<400> 19719
ttatatgcca ttactgcaat ttcccaaaac aagaacctgg ggaaatcccc actaaaactg 60
gatgattggg gtctagccga atcgggaccc cgcatttata tttatgactc ttcctgctca 120
gaacccagaa tgaagctctc aattactcac ccagaaattg attctcgtat actgcagatc 180
gcaatggcat cgtcatatcc gaccctcaaa gaaaatatca ggaaggccta cgacaatgta 240

gcagtcaagt acgcagaatg gacgaaatcc agctacccta cccgcgtcca atatctgcag 300
aagctgctcg catgccttcc gcccgcacca gtggaaaagt cggttctcga gttaggctgc 360
gggtcaggcc agccgtgcac tgcgatcctt gcttcagacc ctgccatgaa agtcacggcg 420
aacgatatct ctcctgtgca gctttccctt gccaaagagc atctcccctc tgcgaatgtg 480
gctcttatcg agggagacat gatggagctg tcgtttggag atcacagttt cgacgccgtc 540
attgcaatgt attcgatcct gcacttgccg aaggaggaac aagtgactct cctaaaaagg 600
atcttcaagt ggttgaagcc tggagccttg tttctgggga gttttgcggc aggactcaag 660
gaagaggact tgtttgataa gcactggttg gatgggactg atggggagat gttttggagt 720
ggctggggag aggagaggac ctgtgagata gtctcgttaa ttggatttga gctgattctc 780
agggaggttg tcgctgagat tgaggaagag aagggagaag gaagagaaat tccctttctg 840
tgggtcctgg ggaagaagcc agataattaa 870

<210> 19720
<211> 444
<212> DNA
<213> A.fumigatus

<400> 19720
cccagccagt gggctatctt cgatttaggc gaccaccccg tccctacctt ttacaaaggc 60
cgcatctgta tctctggtga cgctgcgcac gcgacatccc cgcaccacgg cgctggagcc 120
ggattctgca ttgaggatac cgccgtgctg gctacactgc tggaggacga gcgggtgcag 180
tctcacaagg acctcgaagc tgcccttgct gcctacgata ccagccgccg cgagcggtct 240
cagtggctgg tgcagagcag caggtttatt gggaacagct acgagtggtt ggctgaggga 300
gttggcgatg acttcaagaa gattgaagag gcgatcaatc accggaatgg tatcattgct 360
aacgcagata tccccaagat gtgtcaggag gcaagggagc aattgggcaa gagattgtcc 420
aggtcgcgga ggggtttctt atag 444

<210> 19721
<211> 273
<212> DNA
<213> A.fumigatus

<400> 19721
gtctcgaagg tgaaagcaga cacgatcaga gtccaccaaa aattggccca cgtaagtggt 60
cttatggact atgtctctat cagcatacga ctcagctatt ccgctgctat gtgttcttac 120
aatcttggag tgctcgtatg cagacgctct gtggacaccc gggaagaggc cctcagcgct 180
attcctgtta gcaacgacgg tctatctcct gtctatatgc aaacacctac cggtacaaag 240
cacggagagc ggctctggac cactggcgat tga 273

<210> 19722
<211> 723
<212> DNA
<213> A.fumigatus

<400> 19722
gagacagaaa tgacccctaa gaagaacttc cacgtttccg ttattggcgg tgggatcgcc 60
ggcgtgactc tggctatagc actctaccac cgtcaaatcc cggtgacgat ctacgaacaa 120
gcccctgcat tcggcgaggt cggcgcaggc gtctccttca gtccgaatgc agtggaggcc 180
atgaaagtct gccaccaggg catctacgag gctttcgaga aagtctgcac gcggaaccta 240
tggccctcaa aacagaaagt ctggttcgac tatctggacg gctacaacaa aggcacctcg 300
acgactgcga agaactcgag tcgacaggaa attgcattca ccatctccaa cagcctcggc 360
cagaccggtg tccaccgcgc gcatttcctg gacgagttga tcaagctagt cccccgtgat 420
atctcgcggt ttaacaagcg actagagcat atcaccgagc gtgaagatgg caagctcgtc 480
atgaagttcg cggatggctc ggaagaggtg acggatgtgg tgatcggctg cgatgggatc 540
aaatcccagg tgcgacgcat actcgtgggc gatggtcatc cgtccgcgaa cccgtcgtac 600
acacacaagt atgcgtatcg gggcctggtg cccatggaaa aggctatcga ggctgttggg 660

gaggaactgg cgtctaactc gtgcatgcat gtccgtgtct ccttctctat gcttacgggt 720
tag 723

<210> 19723
<211> 216
<212> DNA
<213> A.fumigatus

<400> 19723
atgggccccg gcggccatgt gttgacgttc ccggtcaacc aaggcaagac tctcaacatt 60
gttgcctttc acagctcgcc cgacaaatgg accgactacc cccgactgac gaggcaggat 120
actcgcgagg aagctctccg ggattttgca ggttacggac caaacgtcat caaccttctg 180
aaactaacgg aggaaaagct cagtgtggta tgctga 216

<210> 19724
<211> 1224
<212> DNA
<213> A.fumigatus

<400> 19724
tcgacccaag ccattttagg tgtaaactct ggaatcacca ggttggtctg tgacagttgt 60
ccagacacct gggacaatga ggaggaaaga gatcgttatc ttggagtttc ttcgtccgtt 120
ctcgacgggt gggcccctcg tctgatccgt ctccagactc tgtggtacaa tatgggaaag 180
catctgcatg tggacaatgc acgtagcatc gcacgctatt gcccccggtt caagaacctg 240
atcgtgtggg aatggatgga attcaccata agtagtgcca ggttcgttga cgatgactct 300
gacagtgaga ctgacgagga agagacatcg gccggagatt tcctcatggc tctgcggcgc 360
aataccttgg aacggttcga gatctctcgt gattcacact tcaagccttc catggtccag 420
ggcctggttg ctcattccca atccatgcgt gtgttgaaat tgcccaagtt ccggtcggag 480
ctggtggtcg aactcctgaa atcgaatccc ctgcagtccc tcgaagctgt ccacttttc 540
ctcggttatg agaaacgcgc tgagatagct cagccgttcg gacagtggct aggtgcttgc 600
caaaacttgc gtcggatcga gacttggctt taccatgacg aactgttgat gctagcgaat 660
gccctccaac atcccatccc ttccttggaa gtccttatcg tccagcagaa ttacgaggat 720
gatcccagga tcatcgacgc cttctaccgc ggtgtctcgc gtcagcgaag cttgcaggag 780
ctcacactta acaccgagat gacaagcaac aagagtgtat tcatgtggtg cctgttccat 840
ttaaagaagc ttcgcaaact aaatctgaga agagtgtcgt cccagctcac attgcccgac 900
attggaactc ttacctccaa cttccccgac ctcacctggc tgggtctgtg cgtgactccg 960
gtcgtcgatg aaatctggga ctacatcgtc gcgcccaagc tccgctacct ccatttggtc 1020
ggcattggtg tcttgcatgc tcaaccagtc cttgatttta ttcatcggtt gggcgagcag 1080
aacagaggat tcacactgaa gctcaagttc agcacctttg cggagctcta caccacggtc 1140
tcggacgagg atcatcgcgc cattgcgtac gcgctgttca gtcatctgga tggtcgtctc 1200
cttccttaca gagaaatgct ctag 1224

<210> 19725
<211> 195
<212> DNA
<213> A.fumigatus

<400> 19725
tccataagac cacttacgtg ggccaatttt tggtggactc tgatcgtgtc tgctttcacc 60
ttcgagactt atcttcccta cgccgcattg ctttgtacgc tcgacttgtg cgatctcgct 120
cttttgattc atctcgataa agactttgcc gagtatgtgg catatgctcg gtcttgctca 180
agcgatcact gctaa 195

<210> 19726
<211> 186
<212> DNA

<213> A.fumigatus

<400> 19726
aatttggccg cggccgaaat tggaggctat tttgaacccc taaaacatga tttcattact 60
aaatctagtt attcttgcgc tgcggacatt gcaatcgcct atggcctaga atatggcagt 120
cactgcagcg tgggggtgcc cattgagggc gttgttctgt atctactacc tgctctggag 180
ggatag 186

<210> 19727
<211> 246
<212> DNA
<213> A.fumigatus

<400> 19727
aaaccgtgcc gtcttgattc ttacattatt ctttgtgcaa tgaaaacaat caacatgaat 60
ggccaagtta taataagcgg ttatattaag cgcatatgtc acagagagga tatgaccttg 120
aaggagcaaa cacagtatgt catcaacatg ccacatggaa ttgttaacac acaagagggt 180
atcaaatcgg cagataacca aataaagatc gtaactcgtt gcccgccagg gtatttccct 240
acatga 246

<210> 19728
<211> 699
<212> DNA
<213> A.fumigatus

<400> 19728
acagtcaaac tgccctcggg ctccctcgct gtcttctctc cggtcagcct cacgccccaa 60
gttcgcgaga tgatctccca gatgggccag gtgaaataca tcgccgcact agatcttgag 120
catcacatcc acctcacgcc gtggaaagaa gcatacccag atgctgagat catcgccccg 180
gaaagcctct gggagaaacg acagtcgaat ccagagtata agaacacgcc cttttcgcac 240
atcttccgaa aagaggacca gcataaggga tcccgcaaga tctcggagga atttgacgcg 300
gagtttgagt ccgagtacgt gtacggacat ccgtcgcggg agctagtctt cctacataag 360
cggtcgcgca cactcatcga ggcggatctc atgtttaatc tccctgctcg ggaacagtac 420
tcgtggacga aggagggcgc gacatcgggg atctttgcga agattatcaa caccgtgatg 480
tcggctgagc caccagcgac gtggcagaag cggtttgcgt ggtatatctt gtcgagtgcg 540
gatcggaagg cttttacgga gtcaatgagg aggatcgatc agtgggattt caatcggttg 600
attccgtgcc atggggatac tattgagagc ggtgctaaag ggagttttcg tacggtcatg 660
gaatggttct tggagaataa tcgacgaggt tctacatga 699

<210> 19729
<211> 261
<212> DNA
<213> A.fumigatus

<400> 19729
caaggaaaac ctacagttga tgttgtcatt tctttcgctt ggttcgccgc tttcggcatt 60
ctcgtcgatg ccatccacaa gttgaactgc ggcagtatct ggcactggca ttttaacacc 120
tacagcacca actcctgtgg tcgttggaaa gccgccgaag cattcagctt cctctccgcc 180
atcgtgtggc tcgcctccgc tcttgtggtt cgtattataa agtctgcaac tactgattat 240
gattctgaca gcacctgcta g 261

<210> 19730
<211> 909
<212> DNA
<213> A.fumigatus

<400> 19730
accgcatgct ctgacactgg tgcagactgc aggaacgagt acatgcaagc ggggaatatc 60
ggaattcgag agaccatcga aaaggccaat gagatcttcc aaaacgtcaa gcaaacctcg 120
gatgcgacca tcgactctcg cctcctagtc actgctgcag atctggggta taagaaaaca 180
gcacaattca ccttgggaga cgcgaccgcg ggtatcgatg tcgacgagtt cgtctccaag 240
tgtatttcgt ttatgcgccg cggcccaagt gatccagacg tcgcgatatc taacacgcaa 300
cgccgacggc cccggccttc cggccgcagt caagcagacc tggatgagag cgatgatgag 360
accggagacg caatgaactg ggattggctg gggcgggctg cttgcctgcg ccataactcc 420
cggccttcag tttctggttt tcttctcggg ccgttgtcgg tacagaagcg tagtcgtcta 480
gtgacacaac gacgagcgag ggaacgcatt gacccatcgg aggcggttcg accacaggat 540
ctccaggaga aggacctcga caggcaggag acgtcgaacc tcacgaccat gtgcgccaat 600
ataaacaaat tgcttgcgga aacggtaact catggccaga atactgtgga tagaatactc 660
tcacagatgg aggaggagcc tacggaggag cttatccagg aagtcatggc caaatatcat 720
gttgccgatg acggaggagt gcctcttttt cacttttgca taaacccaag gtcgtttggg 780
caaagtgtgg agaatttgtt ctatgtcagc ttcttggtac gagatgggac tgtcggaata 840
tcagccgaca gtcggcagtt acccactcta cgtaagttcc ttgcgggtct actcctgtgt 900
ggcttgtga 909

<210> 19731
<211> 201
<212> DNA
<213> A.fumigatus

<400> 19731
cctgctcgac ccctagaccc cgcgaaaccg tatgccccga gtgaggccca gagaaaggga 60
gtccagaaac accaggctat ctttagtctc gattttgaaa cgtggcgcca gctcattgat 120
gtatatgata tcaaggagtc tataatcaag caccgccccg aagagccgtc agagtcgacg 180
ggtggtggtt ggtacagttg a 201

<210> 19732
<211> 255
<212> DNA
<213> A.fumigatus

<400> 19732
ttcaatcatg tccagattat aataatgcag catgggatta cactggaaga tatctacaac 60
tttaataaaa ctggctttac aatgggctta gtagctactg ctaagatagt tacaagagct 120
gagatgctta gtcagccctt ccttatccag ccagggaacc gcgaatgggt tacctctata 180
gagtatatta actctactag ctgggtgctt ccaccatgca ttatcttcaa gggaaaggtc 240
catattaagg gctag 255

<210> 19733
<211> 327
<212> DNA
<213> A.fumigatus

<400> 19733
tttgatcaaa tctgcactga gaatgatatt attctaatct atatgcctat atattcatta 60
catctcctcc agcctctaga tattggctgt ttctctcctc ttaagcatgc atatggccgc 120
ttgattgagg ataagatgtg gcttggtttc aaccatattg acaagtttga tttccttaag 180
gcctatccac aagcttgtac ggtaatcttt tcagtagata atattaaaag tggcttttca 240
gcaactggat taataccact gaatctagat tgggtgctca gtcagcttaa tatccagctt 300
agaacaccta caccaccagg cagctga 327

<210> 19734
<211> 228

<212> DNA
<213> A.fumigatus

<400> 19734
aagcagaagc gatctaggcg gcagatagaa actgcagtgg gattatctat ccaggaaggg 60
caggagatca ttcaacgcag ggatcaggct gctgaagcta tcccaactat ccctccagag 120
caggtagtag atacagaaca acgccctcaa tgggcacccc cacgctgcag tgactgccat 180
attctaggcc ataggcgatt gcaatgtccg cagcgcaaga ataactag 228

<210> 19735
<211> 1383
<212> DNA
<213> A.fumigatus

<400> 19735
ctgtcttcta gttctttgtt attcgctggt ccaaggagtc tattccaaaa tgctcagttg 60
aacttctcag catatataat cccccagcgt gcatcatctg tcccgctatc tccgtcttcc 120
ttttgcgatc ttcccctcgt ctctcccccc cccgcaattc ccttcagaat ggcttccgat 180
gatggtccac aggagattgc agctctcctg cttctccctc ctccccggc tgtaaagttt 240
gagcaattca agggtgctta tgaaccgacc ttgtctactg ttttttccaa gctctgcaag 300
acgcttaatg gcgttaatag cattgcaatt ctagacatcg ctatttccat accaggtctg 360
atttcacgaa gctctcaacc tcgggcgaaa attttcccaa gccttcagcg ttacttggca 420
aatatctaca ggctgattgg aatcgtcagc gcggagcaca gcattgagct ggatgccccc 480
ggtggcatcg atgctcgggt aatattcatt gattttccaa cgacctcggc agaggatcgt 540
caggctccac gacatggacc gatcctcgat ttgcattcgc tggcgaattc tgcgcgtcta 600
tgggactgga tctactatcc tgaaaacaaa gcaggtcaac aactcgcaac agcgtttgat 660
agcatctact caaaaaacaa agacccgaac gctggttctt tgcatgcact ctcaaatcag 720
cccgactggc cctctcccag gacattgata gtccccgaag ttaaggctca atcgccgcat 780
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gagagctggg atgaccgatg tcaaagcacc tcgtccttcc ttttggcgat tatggatttc 1020
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cattatgtgc taatgaaggt ccgttgcggc ttgacgctga aattggtaca aatcacggac 1140
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cgctcgggag gcgcagctgt caatgatgag cgagcgaaga aggggtggaa aagcctcgat 1260
gtcttcgaga tagatgtcct acattctggg gaggttccca caacggatgg cgaaagcttt 1320
gcgtcgaaaa taagcagtac agatatcaga cgacgtcgta tggaaatggc cacggctcag 1380
taa 1383

<210> 19736
<211> 333
<212> DNA
<213> A.fumigatus

<400> 19736
ttcgttttct gctccccagg ggcggggtgg gcgtctgcag cactgagttg gactaagggc 60
gacgacggca ttagcagagg tcctgactcg gccggctgtt tcttctgtcg catcatcgga 120
tcaatcatca ttcttatgag cacttccgtc ttcgacttcc cctcttggac tccttttagt 180
cctgccagct catctggtct tcctctgaac tcccagccac tcgtcctctg tctctgccaa 240
atgttctgca ggttcgcgct ggataaccgc atgctctttc aatcatgtga ctggtgtgtg 300
ccagttggtg aaccaatatc cagtcgtcct tga 333

<210> 19737
<211> 555
<212> DNA

<213> A.fumigatus

<400> 19737
catgcggccg ccagtgaaat cgctaacggt ggcgccggca ccagaacagg caccgacgcc 60
tcgcagaaca gccatctcac ctccgactcc tccgacaccg aacacggcac cacttccgcc 120
ttctctacca ctagcggcag cggcgctgcc agcgcgccct cctcccgcgg catcccgcta 180
cgcatcaaca ccaacctctt cggtcgcagc catcaccaca ctgaccgcga ccgcgaggac 240
tctatcagca acgccagcac cgccacctcc gtgtcgagct acgactactc agactccgaa 300
ttcaccggta gcgagtcgca gtcgcagccc cgtcgacgcc gtgtccgccg cgacacggac 360
gcccagctcc ggccccacag agagatctgg acgggcgatc tgagcagcgt catcggcttg 420
cagaaacggg gcctccgcgg cctcatggag ggccgaaggc taatgagaga acgcaatgcc 480
aaacccggaa gctcgggtgg tttgacatct ctgcctgcga ccgctgtaga tcagagtgcc 540
gcttccggcg tgtag 555

<210> 19738
<211> 228
<212> DNA
<213> A.fumigatus

<400> 19738
catgtagtca tcgtcaaaag tgactggctg gggagggcca gagggcagat gagacacgag 60
ggagagcgct ggaatggcct ctatcatacc aagccccgcg ccgctgccgt tactatgcct 120
gctactgcta ccgttcgtgt ggtcggcgga ttgtgttcgt ctgacataat cgatgtcgtg 180
caggtctata cgttccaatt gctccatctc ttcgcggagg caggctaa 228

<210> 19739
<211> 402
<212> DNA
<213> A.fumigatus

<400> 19739
atgcggccgc cagtgaaatc gctaacggtg gcgccggcac cagaacaggc accgacgcct 60
cgcagaacag ccatctcacc tccgactcct ccgacaccga acacggcacc acttccgcct 120
tctctaccac tagcggcagc ggcgctgcca gcgcgccctc ctcccgcggc atcccgctac 180
gcatcaacac caacctcttc ggtcgcagcc atcaccacac tgaccgcgac cgcgaggact 240
ctatcagcaa cgccagcacc gccacctccg tgtcgagcta cgactactca gactccgaat 300
tcaccggtag cgagtcgcag tcgcagcccc gtcgacgccg tgtccgccgc gacacggacg 360
cccagctccg gccccacaga gagatctgga cgggcgatct ga 402

<210> 19740
<211> 240
<212> DNA
<213> A.fumigatus

<400> 19740
tggcagcggt gctctcccag gagcactcca accagggaac gtgaaccgtc ctccagcagt 60
gtctatgaac acagcgcctt ctgcgctccc aacgcttacc caactgtcta cccagctgca 120
accgcaggca tcgcaacagc cacaacaaca gcagccaccg acgacccctc gttcgggcat 180
ggtcaattcg cacggccatt ccagatccag tccttcgaac ctcgagcaac ccaaatatag 240

<210> 19741
<211> 633
<212> DNA
<213> A.fumigatus

<400> 19741

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<210> 19744
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<213> A.fumigatus

<220>
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<222> (7374)
<223> Identity of nucleotide sequences at the above locations are unknown.

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<213> A.fumigatus

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<210> 19746
<211> 2235
<212> DNA
<213> A.fumigatus

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<210> 19748
<211> 351
<212> DNA
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gtttactact aa 192

<210> 19750
<211> 654
<212> DNA
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<400> 19750
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<210> 19751
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<212> DNA
<213> A.fumigatus

<400> 19751
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<210> 19752
<211> 5112
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<212> DNA

<213> A.fumigatus

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gatcaccccg atgctgtcag cgaggacgag ctgagacatc agcttggtct gtaccagacc 240
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ttttaa 366

<210> 19754
<211> 2301
<212> DNA
<213> A.fumigatus

<400> 19754
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<210> 19755
<211> 189
<212> DNA
<213> A.fumigatus

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tacccttcc ttatcagttt aaactatatt ttcacattcc ctcactgttg tggccggggc 180
cctgtttga 189

<210> 19756
<211> 366
<212> DNA
<213> A.fumigatus

<400> 19756
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<210> 19757
<211> 507
<212> DNA
<213> A.fumigatus

<400> 19757
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<210> 19758
<211> 312
<212> DNA
<213> A.fumigatus

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<210> 19759

<211> 444
<212> DNA
<213> A.fumigatus

<400> 19759
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<210> 19760
<211> 228
<212> DNA
<213> A.fumigatus

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accgcccaga tcgaacgttg taaaccggtt gttgccgatg gcaagttcct ccgatgctgg 180
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<210> 19761
<211> 318
<212> DNA
<213> A.fumigatus

<400> 19761
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<210> 19762
<211> 423
<212> DNA
<213> A.fumigatus

<400> 19762
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<210> 19763
<211> 411
<212> DNA

<213> A.fumigatus

<400> 19763
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<210> 19764
<211> 183
<212> DNA
<213> A.fumigatus

<400> 19764
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taa 183

<210> 19765
<211> 201
<212> DNA
<213> A.fumigatus

<400> 19765
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<210> 19766
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<213> A.fumigatus

<400> 19766
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<210> 19767
<211> 360
<212> DNA
<213> A.fumigatus

<400> 19767
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<210> 19768
<211> 252
<212> DNA
<213> A.fumigatus

<400> 19768
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gttcacggtt ttgccactcg tttctatacc gacgagggca atttcggtac gttggtcaat 240
tcgcacaact ga 252

<210> 19769
<211> 534
<212> DNA
<213> A.fumigatus

<400> 19769
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gtcatcattc agttgaaccg catcgataac gaccttgcac gacgcgttgc gcgcgctatt 360
ggtgtcgccg agcctgagcc cgacccgacc ttctatcaca acaacaagac tgccgatgtc 420
ggcacttttg gaaccaagct gaagaagctt gatggcctca aggtcggcgt cctgggttct 480
gtccagcacc cgggctcggt tgagtggagc ttcccaccct ccgcgaccgt ctga 534

<210> 19770
<211> 429
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (424)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19770
ctgcaccggt actggtcctt gctgggacta ccagtatcac ttgaacggcg atatcgggct 60
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tcccatttac gactccgttg ccaccatgta ttcgaacatt gttcagcgca atggttcgtc 180
ctggacgctg accaatatga ccgatccggt acgtttgact acctgggtat tgcgtacctc 240
gaaactaatc aattttctaa ggatgaatat gccaaccaca ttgatgccgg tggcttcaca 300
atgcctctta tctccgagac cctgagctac gcccaattcc ttccgaagca agttggtctt 360
gaccaaaatg agacgtggac cgggaatttc ttgaaatggt ccttctcatt agggaagacc 420
ggcntgacc 429

<210> 19771
<211> 789
<212> DNA
<213> A.fumigatus

<400> 19771
tgtacaggat tatctgaccg ggttcgtagg tccccgagcg tgcggtccat gcccgtggtg 60

ccggcgccca tggagtcttc acttcatatg gcgacttctc gaacatcact gcggcttctt 120
tcctggccaa ggaaggcaag caaacccctg tatttgtccg cttctcgacg gtcgcaggaa 180
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gatctgatcc acgccgtcaa gcccagaggt gacaacgaga tccctcaggc tgccactgct 420
catgactcgg cctgggactt cttcagccag cagccaagca cgatgcacac actgctctgg 480
gctatgtctg ggcatggcat tcctcgttct ttccgacatg ttgatgggtt cggtgtgcat 540
accttccgat tcgtgacaga tgacggtgca tccaagctcg tcaaatttca ctggaagtct 600
ttgcagggca aggccagcat ggtctgggaa gaggcccagc agacctctgg caagaatcct 660
gacttcatgc gtcaggattt gcacgatgca atcgaggctg gacgctatcc ggagtgggaa 720
gtaagtcgtc ttccatcgtc atcacggccc cctaatcttg tagacatcaa gcaaccttca 780
agaagctaa 789

<210> 19772
<211> 522
<212> DNA
<213> A.fumigatus

<400> 19772
tctgactgca aacagttcca acctggtcac attgtccgtg gtgttgactt cactgaagac 60
cctctcctgc aaggccgtct gttttcgtac ctggacactc agctgaaccg tcacggtggc 120
cccaactttg aacaactccc catcaaccaa cctcgcgttc ccgtgcacaa caacaaccgc 180
gatggagcag gtgagacttt tcaaactttt aaggccagtg cttccattaa tcttttcata 240
tttctgcagg ccaaatgttc attcccctca accctcacgc gtactcgccc aagacctccg 300
tcaacggttc cccaaaacaa gccaaccaga ccgtcggcga tggcttcttc acagctcctg 360
gacgtaccac cagtggcaag cttgtccgtg cggtcagctc aagctttgag gatgtctggt 420
ctcagccacg gctcttctac aattctttgg ttcctgccga gaagcagttc gttattgacg 480
ccatccgctt cgaaaatgca aacgttaaat ctcccgtggt ga 522

<210> 19773
<211> 1860
<212> DNA
<213> A.fumigatus

<400> 19773
cagaacctgg ccacgtgggt gtcactgctc gcgtgtctcc ccgcagcgat cggcttaccg 60
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gtcgacacaa attcctcgca tgtctacaag actagattcc ctggtgtgac ctgggatgat 180
gaccactggc tgctctcaac tactaccctg gatcagggcc actaccaatc tcgcggttcc 240
attgctaatg gttaccttgg tatcaacgtt gcgagcgttg gcccattttt cgaactggac 300
gttccggtca gcggcgacgt gattaacggc tggcctctgt attcccgacg acagaccttc 360
gcgactattg cggggttctt tgattatcag cccacgacaa atggctctaa ctttccttgg 420
ctcaatcagt acggaggtga gagcgtgatc agcgggatcc cccactggag tgggctgatt 480
ctcgacctcg gcgatggcaa ttacctcgat gctaccgtgg acaacaagac catcaccgat 540
ttccggtcca catacgattt caagtccggg gtgctgtctt ggtcgtacac atggactcct 600
aaatgtaaca agggctcttt caacattacg taccggctgt ttgctcacaa gctgcatgtc 660
aaccaagccg tggtggatat ggagatcacc ccttcccagg ggtctgaggc gacagtggtc 720
aacgtcattg atgggttctc ggctgtccgt accgattttg tggaatccgg ccaagacaac 780
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gagaatatca acactgcctt tacaagctcc aagaaccgga ccaccttctc cccttcggcg 1500
gccatctatc cttggacaag tggtcgcttc ggtaactgca ccggtactgg tccttgctgg 1560
gactaccagt atcacttgaa cggcgatatc gggctttcct tgatgtatca atggattgcg 1620
agcggcgaca caaagacgtt ccgagagcag cattttccca tttacgactc cgttgccacc 1680
atgtattcga acattgttca gcgcaatggt tcgtcctgga cgctgaccaa tatgaccgat 1740
ccggtacgtt tgactacctg ggtattgcgt acctcgaaac taatcaattt tctaaggatg 1800
aatatgccaa ccacattgat gccggtggct tcacaatgcc tcttatctcc gagaccctga 1860

<210> 19774
<211> 207
<212> DNA
<213> A.fumigatus

<400> 19774
ttcaatcagc tcggtgttca aatcatggat gaggaggacc aactgcggtt tggttttgac 60
ctcttggacc ccacaaagat cgtgccagag gaattcgtgc ccatcaccaa gttgggcaag 120
atgcaactga accgcaaccc tcgcaactat ttcgctgaga ccgaacaagt tatggtatgg 180
tgccatcagg aagctgatac agaatga 207

<210> 19775
<211> 438
<212> DNA
<213> A.fumigatus

<400> 19775
gtggagcttc ccaccctccg cgaccgtctg aaggacgacg gtgtccacgt ggttcttgtc 60
gcagagcgtc tggccgacgg tgttgaccag acctattcta cttcagatgc aatccaattt 120
gacgctgtgg tcgttgccgc cggtgcagag agtctcttcg cggcatcctc gtttaccggt 180
gggtccgcca actcagctag tggtgcaagc tctctgtacc ccaccggtcg gcccctgcag 240
attctcattg acggattccg gttcggcaag actgttgggg cgctgggaag cggcacagct 300
gctctccgca acgcggggat tgcaacgtct cgggacggcg tgtatgtggc tcagtcagtc 360
actgatgact ttgccaatga tcttaaggag ggccttagaa cttttaagtt tttggaccgg 420
tttcccgtgg atcactag 438

<210> 19776
<211> 252
<212> DNA
<213> A.fumigatus

<400> 19776
tcatcaactc atttgaccgg tctagagtat gcgatgtgta ttctgctgac attcacatcc 60
acacagaaag tggtcgaggc cgcgatgctt ggtaatattt gtaatagcat cggtctggac 120
actcccaaca tccccacttc aacaatcacc tttatttgtt cggatgtcga tggcttcaac 180
ttggcaagtc tcacaaccga caatcattcc actttgctcc atgtccactc accgtccagt 240
tgctggtcat ga 252

<210> 19777
<211> 447
<212> DNA
<213> A.fumigatus

<400> 19777

cgatggaaga cgacttactt cccactccgg atagcgtcca gcctcgattg catcgtgcaa 60
atcctgacgc atgaagtcag gattcttgcc agaggtctgc tgggcctctt cccagaccat 120
gctggccttg ccctgcaaag acttccagtg aaatttgacg agcttggatg caccgtcatc 180
tgtcacgaat cggaaggtat gcacaccgaa cccatcaaca tgtcggaaag aacgaggaat 240
gccatgccca gacatagccc agagcagtgt gtgcatcgtg cttggctgct ggctgaagaa 300
gtcccaggcc gagtcatgag cagtggcagc ctgagggatc tcgttgtcac ctctgggctt 360
gacggcgtgg atcagatcgg ggaagaggat agcatcctgg atgaagaata cagggatatt 420
gtttccaacg atatctatga cacttag 447

<210> 19778
<211> 393
<212> DNA
<213> A.fumigatus

<400> 19778
gaagaagtat gcaactggca atgctgtatg ttctgcattc actcccctct ccatattgaa 60
tacctattaa cgttcgaaaa aaaggccgga aagacagccg ccatggaagg tcagcacctg 120
acaaaggtcg atcgaagcga cgacattgtc aagcccaaga ccgtcggtct ccaggtcgca 180
gacgccatca agaagcgccg aaacgaggag ggctacaaaa tgacacaaaa ggaactcgct 240
accaagtgca acaccaccat cacagtcatc caggactttg agaggggtac agccgcgccc 300
gaccagaagg tcctgagcgc tatggagcgt gtgctcaata tcaaactcag aggctcggac 360
atcgggaagg agaagttccc taagaagaag taa 393

<210> 19779
<211> 462
<212> DNA
<213> A.fumigatus

<400> 19779
tgccgcaccg gtttcttcat catgccaacg tctgtcgcac accttgctaa tgtatctcag 60
gagctcgagt ttcttgcaga tgcttcagtc attactcgtc agcaactctc atcgatcctg 120
gcccacctgc ctaatgaggc ccctcaacaa gccaatacac cagttcctcc gccacaacag 180
caacaaccgg ttgtcgctca atctcaacct cccccggcat catacgctcc ccccacatcg 240
cagttcgcta atacctcctt gaacgagaag gccgctctgc agcaacaaca atactcgacc 300
ccctctattc ctccacccgc ttaccctcaa gctgcgcccg tactgtccgt cgctacagca 360
ctctatgctt atactccaac agatgctgga gatcttgctc tgcagccaca cgaccgtgtc 420
caagttttgg aacacatgaa cgctgattgt acgttggttt ga 462

<210> 19780
<211> 300
<212> DNA
<213> A.fumigatus

<400> 19780
aggcggtgcc aggaattcaa gctaacagac atagggtggc gtggccgtaa tgaacggacc 60
aaccttgagg gtatcttccc tcgcagctat gtgaacgtaa tagaagagaa gggagtgtcg 120
tctcccccctc ctaccaacta tggaaatttg ccccttgacg ttagtcagag cggctcagct 180
gccccagatg aaaagcggcc gggcagcaag ttcgaggagc atggcaagaa gttcggaaag 240
aagatgggta atgccggtac gtcgattgtg gctccattaa ttagtgtttg cggccactaa 300

<210> 19781
<211> 435
<212> DNA
<213> A.fumigatus

<400> 19781

tcccagagag gaatagtgca tgactcccct ccaaactgcg tcgctcaggg ctcgagaagc 60
ttctgtgtca tcagtataaa ttcggtggct ctgtggactc tctccttgtc agtcataacc 120
tcacgcgatc actctctccg ccaccttcta ctctaccact tcggacacct ctcttattcc 180
caacatcgtc ctccatcaat accttcatac gcttcgagca tacgcatcct caaaatgagt 240
gattgggatt ctgtcacacg cattggagcc aagcaccgtg ctggtgccgc tccccgagag 300
acggtagtca ggggaaagag cgctctgaac gctgctcagc gccagggtct cgtcattgct 360
actgagaaga agtatgcaac tggcaatgct gtatgttctg cattcactcc cctctccata 420
ttgaatacct attaa 435

<210> 19782
<211> 390
<212> DNA
<213> A.fumigatus

<400> 19782
gaatcacctg cacagaaagc aaggccaccg tggcgggctg gagttatctg ggcaagtaca 60
tcattgctgg acacgaagac ggcagtgtca gccaatacga tggaaaggtg ggcttattct 120
gcacctggaa tctggaaaac tatgctgatt tgcgcgcaga ctggtgagca actggagaac 180
gtccaggcgc acgagtttga tcaccagatc aacgacatcc agttctctca ggaccgtact 240
tacttcatca ctgcctccaa agacaagtcc gctaaggttc gttctgaccc attccatcca 300
tccatatgtt gtcaaagtct gactatcgct agctcatctc ctctcgtaat ctcgccattc 360
tcaaaacata cgttgccgat actcccctga 390

<210> 19783
<211> 597
<212> DNA
<213> A.fumigatus

<400> 19783
tatttcatct ctctgcagga acggtccctc aaccagatca aattcaaccg cgatggcgat 60
ctcctgttct ccgtggcgaa ggataagatt gtatgtgctt ggtggtcggc caacggcgag 120
cgacttggta cctacagtgg ccaccagggt gccatctgga cggtcgatgt cagccccaac 180
acagttctcc tggcgaccgg ctcggcagac aacactgtgc gactttggaa cgtcaagact 240
ggcgagtgtg ttaaggtctg ggatttccct accgctgtga agcgggtcgc attcaacccc 300
gatggaagca ggctgctggc tgtgacggaa aagcgtatgg gattcctcgg tacgatcgct 360
gtgctcgaca tcaattatgg ggatagtcag ggtggtggtc tagagaacca ggccgatgag 420
cctagcttga gaatcacctg cacagaaagc aaggccaccg tggcgggctg gagttatctg 480
ggcaagtaca tcattgctgg acacgaagac ggcagtgtca gccaatacga tggaaaggtg 540
ggcttattct gcacctggaa tctggaaaac tatgctgatt tgcgcgcaga ctggtga 597

<210> 19784
<211> 360
<212> DNA
<213> A.fumigatus

<400> 19784
ctcatctcct ctcgtaatct cgccattctc aaaacatacg ttgccgatac tcccctgaac 60
agcgccacca tcactcccaa aaaggactac gtgatcctgg gtggtggcca ggccgccatg 120
gatgtcacaa ccacctccgc ccggcagggt aaattcgagg cccgtttcta ccacaaggtc 180
ttcgaggacg agattggccg tgtcagaggc cacttcggtc ccctcaacac ggttgacgtc 240
caccccaacg gcacagcata tgcctccggt ggtgaggacg gttacgttcg tgtgcaccac 300
tttgacaagc cctactttga tttcatgtac gaggtcgaga gagagcagct gaggaagtga 360

<210> 19785
<211> 210
<212> DNA

<213> A.fumigatus

<400> 19785
gcacctatcg tccgaaaaat actcagggat agacttttca tcaacttgta cctgtatttc 60
cggcctaact ttctgccaat aaagaaagag cacggagaat tgactttcaa gagttttacg 120
gagatccttt ggatttaccg ctccattcgg cacatctacc ttggtaagtc gtcggtttgc 180
cacctctggt actttggagc aaccccgtaa 210

<210> 19786
<211> 1299
<212> DNA
<213> A.fumigatus

<400> 19786
gatcctgtct tgtgtttctt gtcctaccac atattcacta agcttgacat agatttcctt 60
gtttgcattt catactcttt ccatacccgt accagggccg agcacctcgc agccacgatg 120
ttcaacgatc atgatcatgt tccaccaaca tcatcacagt cggattctgg ctttttttgaa 180
caagaaatga agaaatctcc tcgactaagc cttcgtgagc gcctacggca cttcacctgg 240
gcgtggtata ccttgacgat gagtaccggt ggactggctc ttctgattgc tagtcagccg 300
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agcttgcgcc accctcgcga gggtctcttc ttccctacct tctggctatc cattgcaacg 480
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ctcgaagtcc tcttctgggt ctactgtagt tgcaccctcg ccacagctgt gatccagtac 600
tcattcctct ttgccgccca ctcctacggc ctgcagacaa tgatgccatc atggatccta 660
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gcgcgatccg cgatgcccat catcactgcc ggcgttacct tccagggcct cggcttctca 780
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caccttagct ggtgggccat ggtcttcccc aacactgggt tcacgctggc cactattacc 1140
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gttgtctgca tgtgggtctt cgttttcgtc taccacattc gtgctgtcat caggcaagac 1260
atcatgtacc cgggcaaaga cgaggatgtg ctagattaa 1299

<210> 19787
<211> 207
<212> DNA
<213> A.fumigatus

<400> 19787
tgccttctag gccttaagag tcctgtaggc tcagcacgtt gcattggaac cactccaaac 60
tttccattaa ttctcgcagc ctctagtcag tacgagcaca ttcccaaggc aatctttcag 120
ctttgggctt acacttgcaa tctcaaaaag ctgagggtgt gccaggaacc tctgagacaa 180
ttagcaaaca caccccacga acaataa 207

<210> 19788
<211> 1239
<212> DNA
<213> A.fumigatus

<400> 19788
ccgccgctgc ggccggcata cccgcgagaa cgagcatctg ccattctatc acaattcgag 60
cgcaagcgac gggcagctgc catggcggtt ccgacggatg ataaccgtgt gcgcgcacga 120

ctgcgagagc ttggtgaacc gatcactctt ttcggagaag gtcccgtgga ccggagagac 180
agactgcgtg agcttctgac ggatctggcc gagaggcagg aagcagcagc tgcggaaggt 240
gatgtctcca tgcgaggtac cacagaggaa actgaagcgg cagaagagga agcagaacaa 300
caggaagaat tctacacaga gggttcccag gagctactca acgcccgaaa agcaattgcc 360
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ccattgagaa cacatatcaa acaccgcaaa gcgatcaaag agaagttgca agggtttgac 480
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tcaggccaca gtggccgtgt atgccggaca gaattccatc cttcagggcg gtacatcgca 840
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cttcaggagg gtcattcacg agaggtttat acggtggcat ttaacaatga tggttctctg 960
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taccgtgtct tgtcaggttc gggggatggc tggatcaagt gttgggacct ccgccaagta 1140
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ggcactgaat tcggctgcat cttatctgcc gtccactga 1239

<210> 19789
<211> 333
<212> DNA
<213> A.fumigatus

<400> 19789
gaaagccatc ggaacaatac cagatggagg aagtggtgct ctaccagttc tgagtcaacc 60
gctcgactgc gccaaaagac atacatccta agcaaagatg gcagcatcat ttcaaatgca 120
gcggctagca cagcgatcgc tgctctccac agttcccctg gcacggacgg aggccacaca 180
ctcgctattc ctaacaggcg cctgtatttt ctgccagcta agaccaagag cttgggctgc 240
tcagcctgcg cggcgccctt gtctgacttt gcctacccgt cgacttgcct cgacctcatc 300
tacaacagcc cccgagacga gcaatcagga tag 333

<210> 19790
<211> 252
<212> DNA
<213> A.fumigatus

<400> 19790
ggtgctttct ccatcccgtg gttcattcct ggcttcgaat ttgagatcga ggcctcgaga 60
ctggaaaagt ctcaagattc ggatcatgac aagtttggaa accattttcg aagacaaagc 120
agggaagccg gccaaagaag agaacccgat accgtaagaa gcaaaagaag ccagaatgct 180
gacaaactag gaaatatgcc ttatctttcc ttttctggtc gatgtgacaa gccactattg 240
tcttcactct ga 252

<210> 19791
<211> 441
<212> DNA
<213> A.fumigatus

<400> 19791
atggataccg tgtcttgtca ggttcggggg atggctggat caagtgttgg gacctccgcc 60
aagtacgcaa tattggtggg atcggcgcac ataaaagtgt cgtgtcggat gtacggtggt 120
acaagggcac tgaattcggc tgcatcttat ctgccgtcca ctgaaagcaa tggacgaatg 180
gacgttgaca gcaacccgac actcacaacg agcgaacagt caacaccagc aaccccaatt 240
caaccaaaga agtcaggcac attctttgtc agcagtgggt tcgacaagaa cgtcaatatc 300

ttcagcgcgg atgactggtc tctagtcaag tccttgagtg gccatgcagg caatgtgctc 360
agtacagaca tcagtgatga tgcgcagtgg attgccagtt gcgggcacga tcggactgtg 420
aagctctggg gcatagagtg a 441

<210> 19792
<211> 819
<212> DNA
<213> A.fumigatus

<400> 19792
gcaaagatgg cagcatcatt tcaaatgcag cggctagcac agcgatcgct gctctccaca 60
gttcccctgg cacggacgga ggccacacac tcgctattcc taacaggcgc ctgtattttc 120
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ccacccccgg cttcggcatt cgatatccct ctgagcgatc tgagacgcga gttcctccga 360
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catgcgctcg acccggagac cctgatggag gttatggagg ttcaggagag gattgaggag 600
gtcggtgcag ggccggaggc tgagggaacc attgctgcgc tgaaaaagga gaatgatgcg 660
cgggtggcgg cgtgtgtgaa gagcttggcg caagcctttg aacgggggga tatcgaggct 720
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<210> 19793
<211> 1872
<212> DNA
<213> A.fumigatus

<400> 19793
gtccagcatc ttcttcgatc aaaactcgga ggagatcatc tatctctgtt ttcaacatcc 60
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tcaagtcttc acgccaacca tgatagcgtt gccactgact cttcgaatca ctctcctggg 180
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ggcctcacca gggagtccaa gcatcatatt gcggttttag aggaagagga tgccgagacc 360
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cgcgaggatg acagggtcga gtccagcaac aacccggcat tcaatcagat gttctcgaat 480
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gatgtgagag aggatgttgc agcacccgat gatccgccac aggatctggc atcaaactgt 720
gatgagccaa gtgagcagcc tctggcgacc tccactgccg aagaggggtc ttcctggggt 780
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cactacgcag cctgcaaggt gagagagctt gcagagtact gcggtcccat ggaaagtata 1740
gtaagctcgc cattcccttc accagtggac aaacagccac gaagggcgaa tcgaccttcc 1800
agccgtggtt tccgcgcgct cttggattcg acaaccgaac ttgcctcgga cttggtcttc 1860
cgcatgatgt ga 1872

<210> 19794
<211> 390
<212> DNA
<213> A.fumigatus

<400> 19794
cacatcctcg tctttgcccg ggtacatgat gtcttgcctg atgacagcac gaatgtggta 60
gacgaaaacg aagacccaca tgcagacaac accgaccgac atggccgagc cgacgcccaa 120
gacgccaggg ctccccaatg ccctccccag ggtaatagtg gccagcgtga acccagtgtt 180
ggggaagacc atggcccacc agctaaggtg gaacgcagtg ggccggcacc ggacgacagc 240
aacaaaggca atgaagaaga accagagact cagggcccac aggaacacgc cgacgataat 300
agccatcagc tcgaggatcc gggcgtcctc gacgtgtgcg tctttgatta tcttgaattc 360
gtcgggcagg cccttggcca tccctactag 390

<210> 19795
<211> 321
<212> DNA
<213> A.fumigatus

<400> 19795
ttcttcgtat ggagtcttaa ggttcggttc ttatcaaagc gacacaggca taatgaactt 60
ccagaatctg taatcaatgg atcaggcgga tctccgtcct gcctggttcc cactctcgca 120
agccttcacc cacactgtac cagaatcgca accgcacaca ctcctgacgc gcagcctcga 180
tatccccccg ttcaaaggct tgcgccaagc tcttcacaca cgccgccacc cgcgcatcat 240
tctccttttt cagcgcagca atggttccct cagcctccgg ccctgcaccg acctcctcaa 300
tcctctcctg aacctccata a 321

<210> 19796
<211> 675
<212> DNA
<213> A.fumigatus

<400> 19796
ttgagggtat ccttgacatt gggaggcaca gaggttgctc gatcccaact ctcagtatcc 60
gatagtgcgg cagcatcagg ggactggtcc gctccagtgg gctcaggaac ttccacagcc 120
tccgctacct cgtctacttt agtaggttca attactggga tcgggtcatc cagcattgtc 180
gtagcctcaa ccgtgagcgg gttatcgatc tggtcgtcaa catttccagg aggaggggtg 240
gttggaggag tcaggttaga cattggttcc tctgccgtcg caccaccttg ctgtttcttc 300
ttgcccttct ttgacttttt cgctttcttg cccttcgagg gcatggcgtt ctcctcgaga 360
ccccaggaag acccctcttc ggcagtggag gtcgccagag gctgctcact tggctcatca 420
cagtttgatg ccagatcctg tggcggatca tcgggtgctg caacatcctc tctcacatcg 480
tcggtggcat ccttcacgcc ctcgccctcg ccctccttca gcggctgcgc cgactcctca 540
gttgcctcgg cagtcttcgc gtccccacta tctggcacgt ccaggttcct gtccgaaaac 600
ttggcacccg ggggaggaga tggtgctggg ggaggaacgg ccgaggcgaa gggattggga 660
ttcgagaaca tctga 675

<210> 19797
<211> 531

<212> DNA
<213> A.fumigatus

<400> 19797
ccgcctcgct tgctgtgcgt gtccaggctt gtcgacgaaa tcaccttcaa gctcgctgat 60
gaggccgccg acgcacccac cgcgaccgcc atcctcggcc ccttcttccg cgctgatacc 120
ccctaccgca acaacggcga caatatcgtc aaggacgtgc cggacggcga gatggtgttc 180
atgcacggcc gggtgatcga tttccagacc aagaagccgc tcgttggagc gacggtggag 240
gtgtggcagg cgtccacgaa cgggctgtat gagcagcagg atccgaacca ggaggagttt 300
aacttgcggg ggaagttcaa gacggatgct gacgggcggt actactttta ctgcctgcgt 360
ccgacgccgt atcctgttcc gaatgatggt gcgtattctg atgctccatc gcctatcgca 420
ttggagactt tgcaaacgct aatcttgaac gacgtacagg tcccgccggg aagttactcg 480
agctcatgga ccgacacccc ttccgccctg cccatatcca catcattgtg a 531

<210> 19798
<211> 696
<212> DNA
<213> A.fumigatus

<400> 19798
tccactggcg tagaaatagt tacttacgcg aaacagggaa tgtcaaaatt ctaccaggta 60
acattggaca cacttctccg acagatggag tttaacacca gcgctacttc tctcacgagc 120
aacgagcccg tcaagcccgt tcttcttgcg tcgcctggct ttgtcgctgc cggattccag 180
aaatacatac agtctgttgc ctcgacgact acacctgccc tcaaacgact cttgccgagt 240
attgtcgtcg ttcactcagc ctcgggctat ttgcattctc tcgcggaggt tctgcaatcg 300
cctgcagtga agaccatcct tgcggatacc aaatatgccc gtgagaccaa actgatggac 360
gactttcttg ggcacctccg caaagagact aacaaggcca tctatggacc tcgtgaggtc 420
gaggcggcag tcgaccaagg agccgtgggc cgtgggggcg gtgtcctcat tatctcaaat 480
cggttgttcc ggtcacagga cgtggcggag cgcaaacgat gggtgtccct tgttgaccga 540
gtccgggacg tcgaggggggg cgaagtgcgt gtactcagct ccgaccatga gagcgggaga 600
agactggacg gattgggagg tgtggccgct ttgtgcacgt tcccagtagt cgaggaggac 660
tttgaatcgg acgaagaacc tgctgaagct agctga 696

<210> 19799
<211> 588
<212> DNA
<213> A.fumigatus

<400> 19799
ctactgctga tcctcattcc catcctctct tcccaacgtc gatacaggat atacctgacc 60
tctctaccgg atacgaccct tgaggcacat acagtcatgg ctactcatcg atttgacccc 120
aactttaccg ataatgtcat caacgcgatg ggtcccaaga ccaatccgcg cttccggaag 180
gtcatggcca gcctaatccg ccatgtgcat gactttgcgc gcgagaacga acttaccgtc 240
gacgagtgga tggccggcgt caagctgctt aactgggccg gccagatgag cgatgacaag 300
cgcaacgaag gtcaacttgt ctgtgacgtg atcgggctcg agtcgtatgt gttacatcca 360
ccaaactcac agtcccagac atcaagtact aaccgcctcg cttgctgtgc gtgtccaggc 420
ttgtcgacga aatcaccttc aagctcgctg atgaggccgc cgacgcaccc accgcgaccg 480
ccatcctcgg ccccttcttc cgcgctgata ccccctaccg caacaacggc gacaatatcg 540
tcaaggacgt gccggacggc gagatggtgt tcatgcacgg ccgggtga 588

<210> 19800
<211> 546
<212> DNA
<213> A.fumigatus

<400> 19800

cgacggccct gcattaagtg gcacgcctac aacctgatca gacctggtga cctccttcgc 60
gcaagcgcaa tccgtcgcgt cacaacgaca cacgacaccg gtacaacaac ttcatcccgg 120
gtccacttaa cgctcgaaat ccgcgtgaaa agtttagatt tcgaccctca gagctcccaa 180
ctgcatgtcg gaggaacaat tgtgaacgag acaccgcaca ccaaagtcgg acaacatcat 240
acattggatt tggagctgaa tcgcaatttc accttggaga aagagatcgg tgcgaatggg 300
gaaggagttg ggtgggacag tattgctgta cagatgctcc aggatgccgt tgacgagagc 360
ggcaaacgga gggcggaagc ggttgctgtt gtgatgcagg agggactggc ccacatttgc 420
ttcattgggc aattccaaac cgtcttgaag cagaaggtcg agatgtcggt tccgcgaaaa 480
cgacaaggcg gcggaggcgg ggatcatgat aaggtactcc acccatctgc taatccactg 540
gcgtag 546

<210> 19801
<211> 414
<212> DNA
<213> A.fumigatus

<400> 19801
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ctgaacgatg ggcgggtaat ctctgggatg aggcgagatg cgcagattct gatctacatt 120
gacatcaaga aggcaatggc cgcgggttgt ccgttctggc gcagtgagaa tggagtcatc 180
ctcagtgagg gcgtggatgt aggggagaat caggaggttg gagatggggc atcgccgaaa 240
atcattcccc ttgaattctt tgacgttgtt gtggaacgaa aatgtgggct ggggaagatt 300
tgggaacgcg ggcaaacgat caaggaactg ccgtcggaat tgcttcagaa aggcaatccc 360
aagggtccaa aagcacgatt ggatgggagg aggggtagta agagaaatgg atga 414

<210> 19802
<211> 276
<212> DNA
<213> A.fumigatus

<400> 19802
gcacctcctt gggggaagta taatcctatc agaacaactt ataacgctct tactttggaa 60
tatacatact attggctgtc tatttttca acatcccaca tctatacacc tactggtcaa 120
atgcgtctaa taaagaacaa gatagagcac ggtggctcag gcaccgtcac tctatgtcct 180
gaagagccag aggatatggt atgcgacccg ttgctccact ggatacttag ctgctctgac 240
gacggccctg cattaagtgg cacgcctaca acctga 276

<210> 19803
<211> 204
<212> DNA
<213> A.fumigatus

<400> 19803
tcagctagct tcagcaggtt cttcgtccga ttcaaagtcc tcctcgacta ctgggaacgt 60
gcacaaagcg gccacacctc ccaatccgtc cagtcttctc ccgctctcat ggtcggagct 120
gagtacacgc acttcgcccc cctcgacgtc ccggactcgg tcaacaaggg acacccatcg 180
tttgcgctcc gccacgtcct gtga 204

<210> 19804
<211> 186
<212> DNA
<213> A.fumigatus

<400> 19804
attgacagcg cgaaatacta tgcgaatgag aaagaatgtg cggtagctat gaaaaagtct 60
ggaattgacc gttccaagat ctttttcacc accaaggttc ccgcgtcttc catgtcctat 120

gaaaaggcca aggaagccat tgagcaaagt gtcgctgcta ctgatcttgg ttacatcgat 180
ctgtaa 186

<210> 19805
<211> 429
<212> DNA
<213> A.fumigatus

<400> 19805
cagcggtgtt ggaggcgaag attctggtgg caggatgaga ttcatccctg gtgtgcgcga 60
gaggacattg ttgcctggct gaagaagcgc aacgttgtca ttgaagccta ttctcctctt 120
gttcaagctc agcgcctgga cgagcctgtg ttacagaact tggccaagaa gcacaacaag 180
acaggagctc aaatactgat ccggtggagt ctgcagaagg tacctccttt gtcgctatta 240
tcgattgagt ccgtgactaa tggagtcttg caggggtacg ttcctcttcc gaagtctgta 300
accgattccc gtatagttga gaatacgcaa gtctttgact ttgaattgtc tggcgaagac 360
atggagagtc tgaacaccgg catttatgct cctgtttgct gggatcctgc taaggatgtt 420
ccactgtag 429

<210> 19806
<211> 285
<212> DNA
<213> A.fumigatus

<400> 19806
tcttcagtcc gggacaacat atcgccgccg gacaaggatg tcaacaataa ctctctgcgc 60
gatgtctgta caatctattg cagtcaacta gcagagagaa gcctactgtt acgatcttca 120
aatgcaccgc tacatctcga tctcgaaaac ttagatttta gcctacctgt cgtccctcta 180
ccatgcccga tcagccgcgg cgcattattc tggaaaaatc caagacagtg cgccgccggt 240
atcaacgcag caacaaacgt ttccaattta cagcttcaca aatag 285

<210> 19807
<211> 468
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (146)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19807
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gattcccatc ccaacggagc tcccaaagac ggtgcgacca tagtcttcat acatggcctt 120
ggctcctctc aaaattacta ctttcntatt ctccaccatc tgaccctgaa gcaccgctgt 180
atcaccctcg acacctatgg ttctgcccgc tccccgtaca cgggccaggc catcaccatt 240
tccaccattg cctcggatgt cattgcggtg ctggatgctg tacatatccc taaggccgtc 300
gtagtcggcc actcgatggg tggactggtc gtgacactgt tgggtgcgca gtacagcgat 360
cgcatcacga ctgtagtagc cgtgggcccc acccatcctt cggagagttt agcatccaca 420
atgcgccaga ggagcgacac tgtgctcgag ggtaggttgc ttccatag 468

<210> 19808
<211> 243
<212> DNA
<213> A.fumigatus

<400> 19808

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tggcgcgccc tcgtggaggc tcagaaggca ggccacgttc gttccattgg tgtctccaac 120
tatggcattc accatctgga ggagttggag gagtacatta acagcggtgt tggaggcgaa 180
gattctggtg gcaggatgag attcatccct ggtgtgcgcg agaggacatt gttgcctggc 240
tga 243

<210> 19809
<211> 372
<212> DNA
<213> A.fumigatus

<400> 19809
cccaaaatag tcggaatgga agcaatggcc aacaccgtcc ccaacgccgc tacaggctgc 60
caagcctccc cgctcgccaa agcgttcatt cgtgagctcc ttctaggcca gaacccgaat 120
ggctacgcca cgctatgcca ggctattgcc aaggctcccg caatcgacta ctcgcgcatc 180
acagtgccgt ttctgctcat tgccggcgaa gaggataagt ctgcgtcgtt ggaaggatgc 240
aaatatatct ttgaccgggt gtccagtaag acgaagaaga tggaggtatt gcccaaggtc 300
ggccattggc actgcatcga ggcaccagat ctggtgggtg ggatgatcgc ggggtttatt 360
gagagagtgt ga 372

<210> 19810
<211> 399
<212> DNA
<213> A.fumigatus

<400> 19810
ctatttctac gccagtggat tagcagatgg gtggagtacc ttatcatgat ccccgcctcc 60
gccgccttgt cgttttcgcg gaaccgacat ctcgaccttc tgcttcaaga cggtttggaa 120
ttgcccaatg aagcaaatgt gggccagtcc ctcctgcatc acaacagcaa ccgcttccgc 180
cctccgtttg ccgctctcgt caacggcatc ctggagcatc tgtacagcaa tactgtccca 240
cccaactcct tccccattcg caccgatctc tttctccaag gtgaaattgc gattcagctc 300
caaatccaat gtatgatgtt gtccgacttt ggtgtgcggt gtctcgttca caattgttcc 360
tccgacatgc agttgggagc tctgagggtc gaaatctaa 399

<210> 19811
<211> 813
<212> DNA
<213> A.fumigatus

<400> 19811
cctacctgtc gtccctctac catgcccgat cagccgcggc gcattattct ggaaaaatcc 60
aagacagtgc gccgccggta tcaacgcagc aacaaacgtt tccaatttac agcttcacaa 120
atagagcgca tccaacgcga agaggaacgc gaagcacgag ctaaaaggct cagagaaaag 180
gagaagaaac gccaagccaa taagaagaaa aaggccgaaa aggaagccaa agcacgcgaa 240
gcacgacgcc gccttggtct tcccgatcct catgctctcc ccataccctc cagtcagccg 300
ttgctttcca aattcctcaa gaagcctgca gcgaaaccgg atacagagac cgagacttgt 360
gaggataccg aatcagacag ccacagccag gggagcatcg cgaccgagat cgacgagagc 420
ctgctctcgg atttagatgt cgctgccttc gacggtcaga cggctgctgg tgcgtcaggt 480
ccagataatc atcctgcaag cattgatgag aagggtcacg ttggtcggac acagggtgat 540
gatgacgagt tctccgaatg ctcgattttc tacgacgaag acatcatcaa agaagtggaa 600
acaattgcta ctgcacaagt tacgacaggc aggctggggg aaatagatca ggcgatgaaa 660
gaatcatgca aacctgcgtt aacggtagga gaatcatttc aagacgacac ggcgatactc 720
cttgaagagt ttggccacga attcgcaagc gatgaagaat tcgagcagga attgattaaa 780
ctcgatactg tatccgttgg aaaacaatct tga 813

<210> 19812

<211> 3294
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (109)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19812
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cgccatgata atatgcagaa gcgacttcgg aagctgcagg cagaggcgna cgcaatgagg 120
tctgagagaa gtcagcttga acgtgaggtc gccgacgtca aaaagcttct cgaagagaaa 180
atttccgaag atgcagaggc tggtgagagt aggaaactgc ttgagcagca gattcaagac 240
ctgaagaatc aactatttca ggcacaggct gatctcagcc gggagcgaca gtcgagagac 300
gacgtccaaa tgcttgcgga acacaatctt gcggagctca gggacaagta cgcctctttg 360
aatgaatcga agatcatcat agagaaagag atgtacattc agcaggacac acttcgccgt 420
gcgactgaag cgcgagcagc tgcggagaag tctcgcaagg agctccagac tgagctgatt 480
aaacttcgcg ataggttcac caaagtggag agtgcccgct tgaatgcaga ggccgagatc 540
gagcgaaatg tgaagaagca ggccaacgag cgcctggata gcgtccgaaa ggatctagag 600
gaaaaggcgc gtcagctgga ggatgtcgag gaagagcgat ctcggctttc attgagagtg 660
caagaactta ctaatgcaat tgctgagtct gaaaacttcc gcattcgcca tgaccagcac 720
aaggaacgcc tcgaacgaga gctggttacg cttaaaggca ggctcacagc ctccgagaac 780
gacaatcgcg ctcttttgac caagatccaa cagaaaaatc tggatattgc cagatctaat 840
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ttggaagaag ataacagaaa actgactcga caactcggag accttcaact ttctattacg 960
tcgttggaaa agcagaaaga aaagctgtca ttgagtctgg aggatctgaa tcatgaggtc 1020
aacagggaac ataaggccag tcgcaacgct gagaaggccg cctcaactgc cggtatacaa 1080
cttgccgaag caaacaggaa cttggagaca gagagacagc tgcgaactca ggctcaggca 1140
aacacacgaa agcttcaggg atcgcttgac actgctcaca aagaaattga ggctttgcac 1200
cgccagttga tgctcctaca caagttcgtg gagcctctgt cagacaagcc gccagaatca 1260
tgggagtccg ttcagccaga cttagttgag aaagtaaatc tagcccaact tctggataca 1320
gctcaaagca aacttcaagt gatggaggag aagtataatc gagcagagag ccaacttgca 1380
gaaatgcggc gtcgtcacga ggacgagatg aaggagctgg acgcccgtta ctcttcatcc 1440
aagcgtgcat tgcttgaaga gattgaccag aatcaggtag ccggtaatcg taccccgacg 1500
catctgagaa agaattcaga aaacggtctt gtcaagaagt tcgctacgcc aacaacacct 1560
aaccggagat taaatctcaa cgaagctaca atggattctg gtcggtcaga tcggacagtc 1620
gacaccatcg gctaccagaa acgcatggat ctcgctactg agattgaaga gcttcagaat 1680
aaactccaga tgagcgagat gcagaaccgt catctccaga atcaacttga acaactcaaa 1740
cccgtccgag acctatggca ggatgagagc ccgtctctca gacgcatgca gcttttggag 1800
cgcgagaatg gccgcctcca tgaccaacta gatgattccg caaagaaggt ttctgcccta 1860
gagaggagta tccgttccgg agagctatcg ctgcgtgatg tccaggcgaa atcgcacgag 1920
gagctctacg atctgatcaa ttctcaggaa cagtctcgaa gatccttgct caaagtccat 1980
aatgaggcca tgactgattt tacggaggcg aaagcgcaat ttgagaagct caagcgagca 2040
aaagctactc ttgaggtgga acttcgagac gcactctccg aagcgcaaga gttaaaagtt 2100
gccagagagc aggatgccgt cagccgaaat cagcttctcg aggaattctc cgacttgcag 2160
atacggttgg atgcggaaac atccaagtcc gctgatctcg cctccagctt gagtctgtat 2220
aagagtcggg cggacgacta cttcaacaag ctcgaacaag cagagatcgc cgtccttaaa 2280
gccactcgcg cggaacagtt tgccaagtcc caagcccaag aggcagagga gacttgtgcg 2340
cagattatgg ctgagcgcaa acagatggat gctcttgttg aagatctgca aagacagact 2400
cagatgctag aagctaggat ggaggatcaa gcagccgagc tacaaggagc gcttcaagcg 2460
aaacagcgct tgcaaaatga acttgaagat tacaggaatc agcgtgcaat cgatatcgaa 2520
gacaaagaaa cttcgatgga gcagacgagg ctgaaatacc aaagggaatt ttctacgctc 2580
aacaatgagc tcgagatgga acgagagaag gtgctcaatg ttcgtagcga gaacgctcgt 2640
cttcgggagg aactggagga tctccgtagc aagtgggata atgaagttct gaacagctca 2700
acttgggcta aagagaaagc acggatggaa atcacattac aggatgtcac tacgtcccgc 2760

gatgaggctg tcaacgccca taacgaagcc caaggcagag ttgtgtccct cctttctcag 2820
gtccgaagtc tgcgaacctc gtttgatgac atcacggcag agcgtgacac attgttcaag 2880
gagaagaaga tgcttgaagc ccggctggct gaggctgcgg agagactgga ggaacttgcc 2940
aagggcgaaa gtccgtctat gcgcagcgcc gccagcatgg accgcgagct cctagagctg 3000
aagtcgaaac tcgcccaaca agaagacgtc tcagctgccg ctgttggcaa gatgaggcga 3060
gctgaagcac tagtgactga gatgcagaaa gaagtcactg ctgaaaggga ggcgaatgct 3120
caactcttca aggataaggc tgcgctagag aaacaactca aggaggcgca gttgcgatgt 3180
gtcgatttag agaccaagag ctactcgact ggcagtcagg atgttcgatt cctccacaag 3240
aggatcaaag aggtaagttt tcatcccact gaaatgcgtc acccaagata ctga 3294

<210> 19813
<211> 201
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (149),(167),(192)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19813
ttgtggtgta aggactctga ttccaacttc ctcgtagagc tgcctaagta cagccggatt 60
gatcccctct cttaccaact cattgtaacg aaatgttgtg gggtgctaag cgcagagccg 120
cgccctgcgc ttgaaatcga aagctgcgnc cactattttt cccgctnccg tgcgggccca 180
gaaacatctt tntgtggttg a 201

<210> 19814
<211> 2814
<212> DNA
<213> A.fumigatus

<400> 19814
agctgtggag cactgcaata tctgacattg gaacgtagag gtgaatccgg agctggtaaa 60
accgagaata ccaagaaggt tattcagtac cttgcagcag tggcaactac cgacactcca 120
tatgctcgtt caggatctaa gcaattgtct actctctcgc agcagatatt gagggcgaac 180
ccaatactgg aagcatttgg taatgcccaa actgtcagaa acaataactc gtctcgattt 240
ggaaaattca tacgcattga attcacccgc tctggtcaga tttcaggtgc ctcgattgat 300
tggtatctcc tggagaaatc tcgagtggtc aaaccgaata gtcacgagag aaattatcac 360
atattttacc aactgttgca aggcgccgac ccgaagctgc gggaaagctt gctcttgaca 420
gatttgcaca tcgaagattt tgcgtacacc agagacggca atgatagcat cgccggtgtc 480
tcagacgtgg atgagtggaa ttcactgatt gaggcatttc acgtcatgaa gttctctgaa 540
gaggaccaga tgtgtattct tcggacagtt gcagcggtcc tccatctagg aaacatcact 600
attgtcaaag aaagtttgcg tgcagaccaa gctgccctgg gccccgactc attaaatagc 660
gtcgagaggg cttgccagtt gctagggata gagccagagc cctttgtaaa agggctgctc 720
catccgaggg taaaggcagg ccgggagtgg gtggaaaagg cccaaacacc agagcaggtt 780
cgactagcgc tagacgctct cgccaaaggt atttatgagc gaggtttcgg ggatcttgtc 840
aaccgcatca acaatcggtt agatcgcagt accatggctg gcgacgatag cttcttcatc 900
ggcgtcttgg atattgccgg tttcgaaatt ttcaagaaca acagcttcga gcagctgtgt 960
atcaactaca ctaacgagaa gctgcagcag ttcttcaatc atcacatgtt tgtccttgag 1020
caggaagagt atgcacgaga gcaaatcgaa tggcaattca tcgactttgg caaagacttg 1080
cagcctacca ttgatctgat cgagttgacg aaccctattg gcatcttctc atgcttggac 1140
gaggacagcg ttatgccgaa ggccacagat cgctcattca cagacaaatt gcattcactc 1200
tgggaccgaa agtccccaaa atatcgcgcc tcccgcttga gtcaagggtt tgttctgact 1260
cattatgctg cagaggtgga atacgacacc gaggggtggc ttgagaaaaa taaggaccct 1320
ctgaacgaca acgtaacacg cctccttgca cgatcgacag ataaacatgt cgcctgcctc 1380
ttttccgact gtggcgaccc ggatgaggat aatgagcttc ccaaaagcag agtcaagaaa 1440

ggtcttttcc gcaccgtcgc acagcggcac aaggagcagc tgtcaagcct catgaaccaa 1500
ctccaccaga ctcatcctca ttttgttcgt tgtataatac ccaatcacaa gaagcgtccc 1560
aagatgctaa atgcccccct cgtcctagac cagcttcgct gcaatggtgt cctcgaaggt 1620
atcagaattg ctcgtacagg attcccgaat cgcctctcgt ttattgaatt cagacagcga 1680
tatgaagttc tctgtcctaa catgcccaaa gggtatatgg atggacagag tgttgcccat 1740
aatatgctcc aaaagctagg tctagatcct gcctggtacc gtgtagggcg gacaaaggtc 1800
ttttttcgag caggtgtctt ggccgagctc gaagaacaac gggatcagct catccggact 1860
atcatgactc aattccaatc tgcagctaga gggttcatcc agcggcggat atcaaacaaa 1920
cgcctatacc gggcggaggc tacgagaatc atccagcaca acttccaagt ctatctagac 1980
atgaagcgaa atccctggtg gcggctattc tcgaggatga agcctcttct aggagagaca 2040
cgtactgcta atgaagtcaa gaaacgggat gaaaagatta aagagctgga agccaaaata 2100
aagcaggaca ttgctgaacg ccagaaactt gatgaagaga gacgccgtac tgagattgag 2160
attcagaaaa tccaacacac acttgaaagc gaacgagctc tggctcttga caaagaggag 2220
atcttcaaga gactgcagct tcgtgagatc gagttaaccg aaaagttggc tggggccatt 2280
gcggaccagg agagtcttga ggaccaatta gacactctga tagccgcaaa gaaaaaggct 2340
gatgagcagc ttagccagcg catcacgcag cttgaacagg ccggcgagat cattgaacgt 2400
ctggaagccg agaaacggga tctacagtcc cgcctcgacg tccttgaccg tcaattggag 2460
gaggcccgga gctctgtcgc cgagcaggaa gcccgcgtta aggagctagg ccaggaaata 2520
aaaatgctcc agagtcacct gagtctcaaa gaccgcaaaa tacaagacct ggaagcgaaa 2580
ttactcaaaa cagaccagga tcttgacatc aagctcgcaa gaacatccaa agatctggag 2640
ctgtcgaaaa agcagatcaa ggacttggtt gaggaaaacc gttctatccg acaacagatt 2700
tctgatctct cctccacgtc tactggatat gaggaaatgc tcaagcgaaa aagaagtgaa 2760
attgctgttc tgcgaaatga caccaaaaag catcaagaag agaaggaacc ttag 2814

<210> 19815
<211> 228
<212> DNA
<213> A.fumigatus

<400> 19815
acttactccg gtttgttttt ggtcacgatc aatccgtact gtccattgcc gatttacaca 60
aacgagtacg tgaaaatgta caagggccgt agcagagagg aaactcggcc ccacatcttc 120
gctatggctg atgaagcctt tcggaatttg gttgaagagg gcgagaacca aagcattcta 180
gtgacgtata ttcctcctca tgaagctgtg gagcactgca atatctga 228

<210> 19816
<211> 234
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (206),(226),(227)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19816
aatgcgtcac ccaagatact gacgcctcaa atcaaacagt tggagacgca tcttgaagag 60
caagagaaca agcacagctc ggaacaacgg tcactgcgta atgtcgaccg tacagtcaaa 120
gatcttcagt cacagttgga gcggcgtgat aagctgaacg cgcaactaga ggaagatgtc 180
aacgtcttca ccgcggggct ggaagngtcg tgctatgtct atattnnaaa acgc 234

<210> 19817
<211> 183
<212> DNA
<213> A.fumigatus

<400> 19817
tcttcagctc ttagaattgg agtcttcgat ccacaactgc tgacattgat gcaaagcaag 60
ctgcatacta tttatatgat gtgcgatgcc tcaacccgtg cagctaacac agcccacgtc 120
ttacttactc agtacactac agaatcttac cagaattcgc ttgtgttgaa tagcctcagt 180
tga 183

<210> 19818
<211> 225
<212> DNA
<213> A.fumigatus

<400> 19818
ctcgatctca cgaagctgca gtctcttgaa gatctcctct ttgtcaagag ccagagctcg 60
ttcgctttca agtgtgtgtt ggattttctg aatctcaatc tcagtacggc gtctctcttc 120
atcaagtttc tggcgttcag caatgtcctg ctttattttg gcttccagct ctttaatctt 180
ttcatcccgt ttcttgactt cattagcagt acgtgtctct cctaa 225

<210> 19819
<211> 192
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (65),(106),(131),(149)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19819
ttttgcacag cgtatgatcc tccaggttct ggcaaccctg acccattcat gtcgaacggt 60
gcttncggcg cttcatccca cgaagatact tctttttcaa ccacanaaag atgtttctgg 120
gcccgcacgg nagcgggaaa aatagtggnc gcagctttcg atttcaagcg cagggcgcgg 180
ctctgcgctt ag 192

<210> 19820
<211> 687
<212> DNA
<213> A.fumigatus

<400> 19820
caccccacaa catttcgtta caatgagttg gtaagagagg ggatcaatcc ggctgtactt 60
aggcagctct acgaggaagt tggaatcaga gtccttacac cacaactaga gggtgtatct 120
ccagctatca atccgcctac caaacctgtt gatgtcccag gaaaaccggc tggtgccggt 180
cttgactcgg cttcgagcag cagtgttgat aatggacctg ctcctgtggc gttggatcgc 240
tctaaaggag aaacagaaac cccagtggca gcagcagcgg caaacgcacc tgcccctgct 300
cctacctcta ccatccagca cagcaccact gcgaaaccat tggaaaggaa agaagtcatt 360
gcgcgtatgc ttgctgcgaa agctgccaag acttctggaa tgccctcaac ccctcaaact 420
gactctgcaa aagaagcgct atcgtccgaa agctcggtct ctgccctcgt tggcaaagac 480
acgcctgcga gttctgggcg tgaaacccct cctaaggaga aggacatacg cacaagagag 540
aagaataagg cgaaaccaga actagcccga cagcgaatcg agcagctcaa gaagcagggt 600
ttggtgagaa gtcagcaaaa agcgcagata gatcccatgc gtcgtgatga aatgtcttca 660
ccacggggct ggaaggtccg cgcagga 687

<210> 19821
<211> 681
<212> DNA
<213> A.fumigatus

<400> 19821
aggcaaaact tacttcaaag gcagaggagg gacggggccg ctggcattcc caaaccagac 60
gatagtaccc ttcctcttga ccacctccag acttccttcc caggtatcct ttccgacgga 120
atcatagacg acatccacac cccggccgcc agtgatctcc ttcacctgct tcacccagtc 180
cttcccctct tcactgcggt agtcaataac atgatccgca ccaaggccct taaccagctc 240
gaccttctca ggaccacccg cagtgccgat gacatgcgcg ccgatcgact tgaggatctg 300
cgtcatgaga aagccggcac caccagcggc agcatgcaga agaacccagt cgcccttctg 360
cacggcgtag gtctccttcg ccagcgacaa gacagtcagt ccgctcagga acgaagccat 420
aacatcctca tccgaaatgc cgtcggggat tttgactgcc ttggccgcag ggacggcagt 480
gtactccgca tatccgccag tgctgagcca ggcgacgcgg tcacccacct ggaagttgta 540
gtggtttggt ccgggcccca gggcgacgac ggtgccggcg ccttcgcgac ccagaacttc 600
aggctttggg gcggggtaga gccctgtacg gaaataggtg tcgatgtaat tgattccgga 660
gatgttgttc ttgacgagta a 681

<210> 19822
<211> 204
<212> DNA
<213> A.fumigatus

<400> 19822
caagagtgct atggtttgct acccaatctt ctgacgagag gtaacacaaa cgtcgtcact 60
ttgcagggca cattcgacaa tggactgagc aagtccaacg aaatatcggc atcatatgct 120
tggtcttttc ctcatccagg attgattaac gatccattct tcagtggcca acaatcgtcg 180
atgacggcac tgaaaagagg ctga 204

<210> 19823
<211> 1551
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1136)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19823
gagaaagttt tgtctgccct gttactccct tggaagtcac cacacatcta ccttggactc 60
atcgcggcca acatgcctcg atttgggcgc aagcggtccc aatggccgcc gcctcccatg 120
gtggaggacg aagccatctc gctctcccgg gagctccacg ggatgtccat actaggagaa 180
aagcctgggg tggaaggagt ccgtgcccga ggaaccattg accaataccc tgtcatcctg 240
gatgcgccca tttccgagtc tgcaaagcct aagcagtatg gcctggatga gtgcagccgt 300
gaaatcagtt cctcagatga cagcgcagga ccagccacgc cacctgaaag attcgtacag 360
gatccactta ttcgcgtcgc tgatgattcc caggaattcc acttgacggc tccaacggtg 420
cctgtcacct tgccggtcaa ggagaccagg cctcaaacca agccaaggaa ggaggatcgt 480
cagccgccca ggatcttcca ggacaccagc agcagccgcc aaggaacgga gccgagtcag 540
accattccca aaccccaaag tagaacaggg aagacgagca ttgatgtgaa agcgaccact 600
caaatcccta ctcgcaaccc cgagcgtgtc tctgtgcctg taaggaacgg acaaggttcc 660
ctggggatgc ctgtagagaa gactacttct gccgcagtcc caaaacgctc cggtagcgtg 720
agggatgggc gtcgacagtc ccccggcgag actcaacaac cgcgctcatc agccgggtac 780
gtctctgcat cggcagcaaa caaggccccg atggatcctg gaaacgcgca ccaggagccg 840
ccttcgcaga caagcaagag agctcatgct gtcccttcca tggtccctcc tacgagatca 900
ggtttggctg aaaggttgga agaaaaattg agacagcgac agaaagttcg cgagtctgga 960
agttctagtc aaccaagcga actgcctctt ggtcgtccta cgggccccac cgaaccgtcg 1020
tcctccgagc ctcctcgagc ttgtcggtgc aatgcacctc ctgagacagt gccaggagct 1080
acttctcgcg gaactcgttt tagggctttg tccaccccag cgaagccggc gccggntgct 1140

ccccgctcag atgaagtcga tccgtttcct gcttcactcc gtactgcgac gtcggaacca 1200
gtgcctcctg tatcatctca gtcgacgacg aaacggacag tatcatttta tggcgagcag 1260
gagcatgggc aagagcgcga gaaatcaaga tcctcaagac ggcagagtcc ttccaaagca 1320
gtggttcgcc aaccttcccc ggaagaagct ggcccctgcc ttctgccttg tccacggtct 1380
gtccctgtga ccgggtacca ggactggtat accattaaag ggttggaaca tctcgacatc 1440
tgcccttcgt gcacgaaaca gatgcgtaat tcacgattcc aggatctgtt catccctagt 1500
ttaccggttc cacgtgtcgt cttcaccacg gggctggaag gaacagcgct c 1551

<210> 19824
<211> 312
<212> DNA
<213> A.fumigatus

<400> 19824
ccgggcgtcc aactggcgtg cgcaaagtca atgaggcgga ggtcgtgcac cttgggaggg 60
tcatcctctt cctcctcgtc ttcaaagtct attcctccta attgtgccgt ctctggaccg 120
aggttcatat tgattgcctg ctgcgggatt ccctcttgtc caacccgcag gttgacgact 180
tcgaaggagc catctccctg cagagcgaag tcaaaatcct cgtcctcttc atcggcctct 240
tccggtgatc tgtccctggg tttcttttct tcttctagtg cttgttccat cgcctctggg 300
tcaccttcgt ag 312

<210> 19825
<211> 912
<212> DNA
<213> A.fumigatus

<400> 19825
cggctgaaca ggacctccta cttcccgtac tacttcaacc ccgaaaccga ggacatggtc 60
aagctggcca cagtcacgat atggaacttt ctcacgtaca tcctctacca cgacgtagcc 120
ccagagtaca aagcgaacat cgaggaagcc aggaaatcct gcgacattgc cggcaaagag 180
ctctggaaaa accagcagtt cacatccaaa ggaccaggag acttcaatac cgcttgctct 240
accctcttcg gcggcgtctt ttttgatctc tacgttgaaa acaaccagtg gaacaacagc 300
aaggacgata ccgtgcgtat gaccaatggg atcgcccgta aagttgtcaa gttcgctctg 360
gcaggcgctg gtattgatag acaggttgtc cagttccaag agcttgcaaa cgaagacgca 420
ctgcgggcga tgcgggtcca agacatcgat ggctttgaag tcaccgccat cattttcca 480
gacggtgaga ctaaggagtt ctaccaggtg cacgctccag atctccaccc cgttggaaga 540
atgctggcaa aggcctaccg cgaccccggc aaacctgaca ttgatctcag ccctgaggag 600
agacttcaat gggaaaaagg cggtgcaccc gcattggagt ttgacttctt ccttgaagag 660
actttgctaa agttttgcta tcctggaatg aaggtcataa cggcggtttg ggaacttaac 720
tgtggatttc attacttcga cgagatttcc acagcctact gttctattta caccgttcta 780
gccaatgact tgatgatagg ttggaagaaa ccgaaggatt tacgggtggg agacgatcgt 840
gaagctgacg agacattcga tgaggagggt aagggttcaa agagaaagga aacagaggga 900
ccaagctgtt ga 912

<210> 19826
<211> 249
<212> DNA
<213> A.fumigatus

<400> 19826
ccttcccgat catgtaccat catatttcgg tgcctgttga gcgttgacat gttcgaagca 60
tcgccactca ttttcacagt cggacatcaa gctcggccgg acatctgtac atggaagttc 120
gattcgctgc ctattaacgc ccaactcctg agtctgtgct ctgatagggc cgccaagatg 180
aaacacactg cccaactagg ccctttacga tatttatata ccaagctctc tgccgctggc 240
tcttgttga 249

<210> 19827
<211> 969
<212> DNA
<213> A.fumigatus

<400> 19827
ctcagactta ctagcctcac tatcctctcc tcccatcgaa tgcatctctc ccgcaccttc 60
gtcccccgcc tcagtaattc ccttgcggcc acatctcccg cactcgtccg tctctctggc 120
gttcgttgtc atctccaacc gtcatttcgg ccgacagcct cactcagaag ttcatcccaa 180
ccacacacca tgtccattcc aaccactatg aaagccgtcc tgatcgagaa gactggtggt 240
cccgaggtcc tcggcttcaa aactgaccat cctgtgccca ccccgcaaga gggccaatta 300
ctcgtcaaga acaacatctc cggaatcaat tacatcgaca cctatttccg tacagggctc 360
taccccgccc caaagcctga agttctgggt cgcgaaggcg ccggcaccgt cgtcgccctg 420
gggcccggac caaaccacta caacttccag gtgggtgacc gcgtcgcctg gctcagcact 480
ggcggatatg cggagtacac tgccgtccct gcggccaagg cagtcaaaat ccccgacggc 540
atttcggatg aggatgttat ggcttcgttc ctgagcggac tgactgtctt gtcgctggcg 600
aaggagacct acgccgtgca gaagggcgac tgggttcttc tgcatgctgc cgctggtggt 660
gccggctttc tcatgacgca gatcctcaag tcgatcggcg cgcatgtcat cggcactgcg 720
ggtggtcctg agaaggtcga gctggttaag ggccttggtg cggatcatgt tattgactac 780
cgcagtgaag aggggaagga ctgggtgaag caggtgaagg agatcactgg cggccggggt 840
gtggatgtcg tctatgattc cgtcggaaag gatacctggg aaggaagtct ggaggtggtc 900
aagaggaagg gtactatcgt ctggtttggg aatgccagcg gccccgtccc tcctctgcct 960
ttgaagtaa 969

<210> 19828
<211> 1389
<212> DNA
<213> A.fumigatus

<400> 19828
gtatctatcc gctctcggct caccttcctc gcccacgtca tcatatctca gcctctcgag 60
cggctgtatt atcctgcatt gagcatccaa tcattgtcag cgcagtacgc ttcgtgcgca 120
tatacagggt cgcatgactg gtctaacacc tttcactaca gtgacggtgt gcgttgcact 180
acctccggtt ccttcattgc gaaaccttgc actccccaag aagttgcatt ctacgaatct 240
agcgcctttc accccgcctt tcgagacttc attcccactt acatcggaac cttatcgtct 300
gccgaccagc aaggcccctt agcgctcact gctgctgctc aacagagtgg agctattgtt 360
ctacccaccg cggacgactc atcatcatcc gccacgccga ccaccgcgga ggctccgcag 420
cttggtttac aagcgggatt aggatcgaac ggcacaactg aaaacaaacc ttgggttccc 480
tctggcggaa aaaagcttga aacggggctg tccatagtcc tagagaatat cgcctccggg 540
ttcaaacgcc caaatgtcct ggatgtgaaa cttggcgcgc gactgtgggc tgatgacgcg 600
cctcccgcta agcgcgccaa gctggaggct gtggccaagg agacaaccag cggtagtctc 660
ggatttcgta ttgccgggat gaagatttgg accggtgctc atggggagac ggacgagggc 720
agcaagacaa atccatacgc caccaagcat gaggggtccg agggtgccag gggtaaaatc 780
gttgaaaaag acggctataa acgctatgac aagtggtacg gacggtcttt caacgagaag 840
aatgtgaagg aaggctttga gacgttcctc gccggcgcaa aggctggccc tgttgatcgg 900
tccaaactaa tcgccaagag acttgcggac gagctgaggc gtgtgcagtc gatcctggag 960
tcggaggaga gcaggatgta ttcatcgagt gttctcattg tctacgaagg tgacccagag 1020
gcgatggaac aagcactaga agaagaaaag aaacccaggg acagatcacc ggaagaggcc 1080
gatgaagagg acgaggattt tgacttcgct ctgcagggag atggctcctt cgaagtcgtc 1140
aacctgcggg ttggacaaga gggaatcccg cagcaggcaa tcaatatgaa cctcggtcca 1200
gagacggcac aattaggagg aatagacttt gaagacgagg aggaagagga tgaccctccc 1260
aaggtgcacg acctccgcct cattgacttt gcgcacgcca gttggacgcc cggtcagggc 1320
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<210> 19829

<211> 279
<212> DNA
<213> A.fumigatus

<400> 19829
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gaagaattcg aattctatgt caatgagctc ttccacctgc tccagtctgg ccagctcaag 180
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<210> 19830
<211> 543
<212> DNA
<213> A.fumigatus

<400> 19830
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taa 543

<210> 19831
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<212> DNA
<213> A.fumigatus

<400> 19831
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<210> 19832
<211> 237
<212> DNA
<213> A.fumigatus

<400> 19832
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tcagctaccg caactacgat cgttggcgct tcatactctc acgcgaatat cttaaagttt 180
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<210> 19833
<211> 474
<212> DNA
<213> A.fumigatus

<400> 19833
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gtttccttat cagagctgag aaatctggca tggtctggca tccctgcgga agttcgcgcc 240
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<210> 19834
<211> 480
<212> DNA
<213> A.fumigatus

<400> 19834
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<210> 19835
<211> 402
<212> DNA
<213> A.fumigatus

<400> 19835
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gaggtctccg acttccggaa gattggccca ttgctcttct ga 402

<210> 19836
<211> 222
<212> DNA
<213> A.fumigatus

<400> 19836
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ttcattatcg aacgtaacga ctattcgtca cacttcatct ag 222

<210> 19837
<211> 324
<212> DNA
<213> A.fumigatus

<400> 19837
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accgcggatt cctccgcgta ttcgtatgat ggacatcaag gaaatggctc gggcatgtat 240
gatacgaacc atactaccaa cgttactgcc gctcctacaa ccgaacaaga gcctcagggc 300
accggaatca aggaagatgg gtaa 324

<210> 19838
<211> 726
<212> DNA
<213> A.fumigatus

<400> 19838
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gatgctgtag ttgtccgtga ggaacatgac cagacggtca atacccatac cccaaccacc 180
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<210> 19839
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<212> DNA
<213> A.fumigatus

<400> 19839
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<210> 19840
<211> 198
<212> DNA
<213> A.fumigatus

<400> 19840
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atcattttga gctcttga 198

<210> 19841
<211> 243
<212> DNA
<213> A.fumigatus

<400> 19841
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taa 243

<210> 19842
<211> 1509
<212> DNA
<213> A.fumigatus

<400> 19842
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cgtgatgcca tcctcaaggg caagcccgag cgcatcttcg tcctgaacgc cgatgtctgc 360
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<210> 19843
<211> 723
<212> DNA
<213> A.fumigatus

<400> 19843
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<210> 19844
<211> 2196
<212> DNA
<213> A.fumigatus

<400> 19844
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<210> 19845
<211> 234
<212> DNA
<213> A.fumigatus

<400> 19845
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actgctaaga aggaagacga tgctatggac tctgcagact ctgactcgac cattaagtct 180
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<210> 19846
<211> 519
<212> DNA
<213> A.fumigatus

<400> 19846
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aatacctcaa gacctacgat ggtctcgcca agggcgagca gaagcccgat gtcaccgtcc 180
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acaaggagca gcgcttccgc caacgttacc tggatctga 519

<210> 19847
<211> 885
<212> DNA
<213> A.fumigatus

<400> 19847
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<210> 19848
<211> 327
<212> DNA
<213> A.fumigatus

<400> 19848
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cgcgagaggg aggcgaagaa gaaggagaag gaggccaatg cccctcctaa gcctgagaag 180
aaggtctccg ctgaggagga agaggctaac ttaaccccta acgtatgttc gatttgcact 240
cgtcgaaatc taagtggata ttcgaggctg tcgggattcg ttgctaaaat atttttcttg 300
gatatagcaa tacttcgaga tccgtag 327

<210> 19849
<211> 747
<212> DNA
<213> A.fumigatus

<400> 19849
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caacgttacc tggatctgat catgaacgag agatctcgta atgtcttcgt cactcgctcc 540
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cccatgatga acgccatcgc cggcggtgct accgctaaac ccttcattac ccaccataac 660
gatcttgaca tgaacctgtt catgcgtgtt ccccccgagc tgtacctgaa gatgctgatt 720
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<210> 19850
<211> 2670
<212> DNA
<213> A.fumigatus

<400> 19850
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gaagcgccat ctcagctcga atccgggcct cctgctcgaa aaccgcgacc gagggcagag 2640
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<210> 19851
<211> 342
<212> DNA
<213> A.fumigatus

<400> 19851
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ctttcctatt taattcgttg ttgtgtggtt ttggtgctga tgtcagaaca ggtcgatgag 240
gagcagaagc ccatgagcta ctctcagact ttccagcttc ttcgtgaggg tgagagctac 300
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<210> 19852
<211> 807
<212> DNA
<213> A.fumigatus

<400> 19852
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atcgcaaaaa aagttggcga gactgcgcac taccctggta actggcttta tgagcactgg 180
accgagtccg atctgaagga gtggctggat gagcgtggtt ggcctgtgcc tcagccaaca 240
accagggaca agcttatcgc gtctgtccgt cgcaatgcca gactagccag tctgcaggcg 300
cgcagcattg cggcttctgc cactaaatca gccgaagctg cacaatcaag cctgagtgag 360
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acctggaaca ctgaccagct gaagtaa 807

<210> 19853
<211> 525
<212> DNA
<213> A.fumigatus

<400> 19853
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tcttccatga atgccaaggc tgctcaccgc acagatgtca cccgcgatga gctcataaaa 120
caggctcagg aagcatacgc caaagcctcc aaggctggag gagcgaacat agcctctgcc 180
acttcctaca tggctcaagc cactgacgca gttaaggaca cgacctttga cacttggtcc 240
cactccgaac tcaaggcata ccttgattcc tacggcattc ccacgtacca gggttctagt 300
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agcccacagg gaattcttta ctccaagctc caggaatggt cccggtgggc catggaccag 420
ctgaagattg gagccttgag tggccgagct caaggccaag aggccgctga gaaggcgaag 480
gcgaaggctt cagagggcgc tgagaagatc cgctcagagc tctag 525

<210> 19854
<211> 258
<212> DNA
<213> A.fumigatus

<400> 19854

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acccctgccg accgaaaagc tcttgaagac ttggtcaagc gcaattggga ttccaagatt 180
cagaagcccc tcgggaatgc agtcgagaat agcgctgacc agtggcatca tgccaaagaa 240
tggatttttg atacgtga 258

<210> 19855
<211> 435
<212> DNA
<213> A.fumigatus

<400> 19855
aggcgcccgt ttgccctccc cgcaaagttc cccccgcctg ttggggttcg gcacctttca 60
accccaacca cccttccctg gaaaacaaat ggggaagggc gaaaaaaccg tttaattttg 120
ccgttccggg gacgagtttt tgaacgggac cccaggcaag gaaattttac ggccctgaaa 180
gcctgggggt cagaccttga atatcgcagg aagattcagc taaaacctgt ttgtatattc 240
cagggcggcc catacgagaa ctttgccggt cgagacgcat cgcgtggttt gcaacaccag 300
agcttcgatg tcgagatgct cactaaggat ctaaaggttc ttctggatga cctcaaagat 360
ctcaacgagg agcagttgga gaaccttcca gtcctgggag gagcgctttc tggagaagta 420
tctcgtcgtg ggtaa 435

<210> 19856
<211> 189
<212> DNA
<213> A.fumigatus

<400> 19856
tccagaggcg ccaaagtcgt gaacggtatc tatcactttt gcagtaactc tatgagggac 60
gtgttacggc tgcgtattta tttctctgag gacctactgc gtcggactat tgacaagatg 120
acacaaagcc gagaccgagt aaaagaagcc cttgtatctc atgataatgt ctacaaaggg 180
atttcatga 189

<210> 19857
<211> 282
<212> DNA
<213> A.fumigatus

<400> 19857
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cacattcgca taatcaacct caaaagctcc ttcgggatct ccccatactt cgtcctcctt 120
ggaaccacat caggtacctc ggcgttggca aatgttgtaa cacaacagca gagtttacat 180
gatgtggaat gctgcaagaa catcaatgga ctagcttgct ttgggggact actcggcatc 240
ttccaagtcg ggacacagtg gctttgcttt gttatcatgt aa 282

<210> 19858
<211> 735
<212> DNA
<213> A.fumigatus

<400> 19858
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ccaagtcggg acacagtggc tttgctttgt tatcatgtaa gctcacctac ttctccgcct 120
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tcatatacaa cagcgttggt cgtcagcggt atttgtatcc tccacgccgt ggtgatgttc 300
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gaatattttg ggcccaacaa gcagcgcaac catcgccatg gcaaagatct tcctccgaac 660
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ctccaaggtc agtga 735

<210> 19859
<211> 1674
<212> DNA
<213> A.fumigatus

<400> 19859
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<210> 19860
<211> 225
<212> DNA
<213> A.fumigatus

<400> 19860
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atttaccatg cgatatgtgc tatatttcgt ttcaattgca actgtatgct atgtatgggt 180
cctgactttg aatgcaacat tcttaagaca ctaaaatatc agtga 225

<210> 19861
<211> 1440

<212> DNA
<213> A.fumigatus

<400> 19861
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<210> 19862
<211> 291
<212> DNA
<213> A.fumigatus

<400> 19862
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ggtgcctact atgtcaattt cccaggaggt gtgaatgaca ttgcggtctt taccttggag 120
gtccagcgag tcaagggaac cgagacagtc tctgttactc tcaatgacaa tggaaatggc 180
agtgctccag gcagcaagtg gtcgtgcacc tcgaccagtg gctctgttat ggggacggtg 240
aagaagtgtg cctatgatgg cgatatcacc ttgacccctt tcaacgccta g 291

<210> 19863
<211> 384
<212> DNA
<213> A.fumigatus

<400> 19863
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gctgtccctg gcaaacgggc tgggcaagcc attactatca gcgacctcaa ggcctctcag 180
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ataataggca tcgtcctgga aaccccgttt ccggcactcg cactagcgac ggtgcctact 360
atgtcaattt cccaggaggt gtga 384

<210> 19864

<211> 549
<212> DNA
<213> A.fumigatus

<400> 19864
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ttggcggtga tccctcactc caagacgccg acggtattcc tgccttctat cacaagcacc 120
tacgctccct tatttgaatg cgactacaac atgcacaagt caaacagtac atacttcact 180
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attcttacgt gggatcgaaa atggctctat attgtgaccc atttcgtcca gaaaggctca 420
gcgaaaccga caggttatct aatcgcgaaa tccacgcgcc ttgacttgaa gaggtcgacc 480
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cgtctttaa 549

<210> 19865
<211> 306
<212> DNA
<213> A.fumigatus

<400> 19865
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caggataata aggaagagaa acgcgaagtt ctccctaaca atgttcaagg acacacaagc 120
gactcgggcg ttcctgaaga tatagagtcg gaacgcctca agggtatgaa gtacgctgaa 180
tcctggaacc aattggactc ccttcacgaa gaactactca agcaagatga gttagtcaat 240
ggcgtactag ctctaaatca ttttggagac atctcgcttc cctggaaacg atttacaact 300
gcctaa 306

<210> 19866
<211> 375
<212> DNA
<213> A.fumigatus

<400> 19866
gagaagaata tcccagagca gagaggcatc tttgatcttc catgtagatc aatgcgtgat 60
atccttgtgg agacgtttct caccctggtt acgcccttcg cacccatcat agacatcctc 120
ggtttcttac gccactacag gatccgcctc cttcacttct cttgttacat gccgtgttcg 180
ccgtcggttc aaggttctgt ccatctggaa gtcaggacac aggggccgta ccaacggagt 240
cttcaaaaag gcaaaagcct tgtgcgatgc aggctacgaa caagatccga tcccactcat 300
ccagtcaacg ctatcctagg cctatactgg gagggccgaa ggtatttaag cacaccggcc 360
gttctgtttg gttag 375

<210> 19867
<211> 228
<212> DNA
<213> A.fumigatus

<400> 19867
agtactcgtg tcctgcgttt gttagactgc ttgaagtttg atgcagatac aatgtctaca 60
tacgtcgtca gtgaccagcc tctaaataat agcctcgttg ggtcgatatc ctctcttctt 120
agtgctgctg gtgtccctaa tttactctgg ggaaactatc tactgaccgt ctacggagtc 180
cccaccattg ttgacgttag tgtcctccct gtacgcgcta ttgattga 228

<210> 19868
<211> 222

<212> DNA
<213> A.fumigatus

<400> 19868
gtcatcgtgc tgtccttttc tactctcttc cttgcttttc aagaaggttc cgaggaagat 60
acttttttatg ccagacaatt caaaacctac aatcagcgag tgatcaagtg gcttcagaag 120
gtctgttcgg agcaccccgt cggctttcca tacctcaacg atgacagccc ctcaatccac 180
accgccccgc gtcctctcag tgacgatctc ggcctcgcat aa 222

<210> 19869
<211> 660
<212> DNA
<213> A.fumigatus

<400> 19869
tcaagtggct tcagaaggtc tgttcggagc accccgtcgg ctttccatac ctcaacgatg 60
acagcccctc aatccacacc gccccgcgtc ctctcagtga cgatctcggc ctcgcataac 120
ttctccaaga atgccgtctc ttctatcaaa cttatcgcca accttggcgt ggaaggcgac 180
tgtcatgccg gcgaaactgt tcagcaccgc tcacgcctgc acattaagcc cccgccggca 240
aaccttcgcc aagtgcacct tataccgatt gaaattctgc ggggtatatg cgcaacactg 300
ccgactgacg agatgaggac acagctactg gcgcctggag ctctgggaca gaatatcacc 360
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ggagaggcag tgggcgagga ggctgttatt acccttacag ggttgagaaa tccatgtcct 480
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<210> 19870
<211> 186
<212> DNA
<213> A.fumigatus

<400> 19870
aaaatcagca cctcagaact tttcactgat ggagcgatgt ggatgagaga catactgtcc 60
accaggtccg tatacatttc cgtgactttc gagaacaacc gtaccgccac cattcgtgca 120
agcgacaccg ttagcatcaa cctaagagaa catcagcttt acaaccttca aagtctcttc 180
ctgtga 186

<210> 19871
<211> 540
<212> DNA
<213> A.fumigatus

<400> 19871
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aactcatgga ccgaccatgg atcgaccggt atccaatcca gctcctccaa gccgtacaat 180
gcgattgacg gcaacctctt caaggacggg ggaacctatt atatgaactt cggctccttc 240
tggcatgaca tctatcaggc accgatgaac tcggccgcaa cgtcggtggc gtcctcatcc 300
tataacatcg cctataaccc ctctggaacc cacgccgtcg aaggagcatt catgtataag 360
tatggcaatt attactatct ctttttctcg gccgggatct gctgcggcta tgacacgtcc 420
cggccggcat ccggagaaga gtataagatc aaagtctgcc ggtccacctc agcgactggt 480
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<210> 19872
<211> 435

<212> DNA
<213> A.fumigatus

<400> 19872
cggaacacga cactgacact ttacagatgg ttctccacga caatgggcac cggcatcgtc 60
gccatcctgt tccatctcat accgtttgga catacatacc tgcactacgt atccatcgtc 120
ttctttatct tcaacgtcgt tctctttgct gtagtgctct ccatgtccat cctccggtac 180
acgctgtacc ccgagatctg ggccgtgatg atccaggacc ccacgaactc actgttcctc 240
gcaacctgtc cgatgggttt tgcgacgctg attgagatgt gggtgttcgt ctgcgtgccg 300
gcctgggggg actgggcgag gacagtggcg tgggtgctgt ggattgtcga tgcagtggcg 360
gctgcgtcgg tgacagtgtc attgtcgttc attctgtatt tccagccact ggtcatttgc 420
ttggcaaaag gctga 435

<210> 19873
<211> 423
<212> DNA
<213> A.fumigatus

<400> 19873
atgaatggca cgcatatata tagaaaattt gttccctcct accatgcctc ttttctcacc 60
attgtgaaat tgactggaga ttggtcagta gccatgtctg cctcagtttt cgtggttgta 120
gcgtcctgcc tggcggcctt agcccatggc tatgccaacc cggggtcgtg tttgggagca 180
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tctactggca acaaaatctc ctatgcgtca tcctcttcca ttgaaggccc ctggactgtg 300
ctaggctccg tattgccgag tggatcgtct atcgacctgc ctggaaatga tgatctttgg 360
gttagtaatt tctcacttga ctccatctgt tttcttctta ctcagtcgga attctccatt 420
tga 423

<210> 19874
<211> 294
<212> DNA
<213> A.fumigatus

<400> 19874
tgttctctta ggttgatgct aacggtgtcg cttgcacgaa tggtggcggt acggttgttc 60
tcgaaagtca cggaaatgta tacggacctg gtggacagta tgtctctcat ccacatcgct 120
ccatcagtga aaagttctga ggtgctgatt tttcacaggg gtgtcttcac tgacccaagc 180
cttggcccta tcctttacta ccactatgtc gataccacga ttggctatgc agatagccag 240
aagctctttg gatggaataa gattgatttc tctagcggat ggccagttgt atga 294

<210> 19875
<211> 1125
<212> DNA
<213> A.fumigatus

<400> 19875
tatcatcatc aaaacctcaa gatgcagctc aaggaagttc tttcccttta tctactagga 60
gtctccttgg tgttcgctca tcctggccac gaggagaagc gggcatctaa cgagctgctg 120
gcgttcaagg cccacgtccg tcgtggtctt tcgctgtgta cgcgctcctt cgatgagagt 180
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aagttagccg ttcgtgacac cgacgacgtg ctcaacacct ctcatctgtc ctcggccgac 300
tacacaacct cgaccgatga gagggaaatt ttcagcagca ctggcacctg cgtcctcaac 360
cctgagggcg agacgggccc cttctgggtt agtggagagc tgatccgctc ggacatcatc 420
gagaaccagg ctggtgtccc cgtcgtgctg gatattcagt tcgtcgatgt cagcacctgt 480
caggccgtcg agggcctgta cattgacacc tggagttgca acgcaaccgg tgtgtactct 540
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ctgcgtggta tcgccaagac ggattcggac ggtgtggtat ctttcaacac tctcttcccc 660
ggccactact cgggcagaac gactcatcac cacatcatcg cccatctgaa tgccaccttg 720
cttcccaaca acactttgac cggcgggaca gtcccccata tcggccagct cttctgggac 780
cagtccctca tcgacgaagt ggaagcgact tcgccctaca gcaccaacac tgtcgcgcag 840
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ggcagtgagg ctgtatccgg taattcgggt agcagcggga gtgctcctgg cagcagcggc 1080
agcgcccctt ccggtggcat gggtggtgga cctggcggat tctga 1125

<210> 19876
<211> 810
<212> DNA
<213> A.fumigatus

<400> 19876
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ggcaatcggg aaacccgact caaactcgac gccgaccact cgcagatgtg caaagtcggg 120
tcgcgtggcc ccatgtacaa gctgatcaag ggcaacatca agcagattgt cgaccaagtc 180
ctcgtcgccg aacaagggta catccctcaa cagtcgacat cgtcccatgc gggcccacca 240
ctacctacgg ttacgcatac caacagcagc tcgccgtacc ctagtgcccc acctccgacg 300
accggccaac gcatcgtggg aaccatgtac acggcagtcg acagcgatcc acgttccatc 360
aaagcggccg aacacaagaa cgtcggacgc tgggatcaag cccggaacct ggagtatgcc 420
atcttccagg aacacctgcg aacgctgggc ccggatcaca acagcacgat tgtggtgggc 480
tacaatctcg ccgagatcga cctcgaggcc tcgtacctcg ccaaagcaac cgagtggtgc 540
aagtgggtga ccgaccagag tcagcggacg ctggggcccc ggcacccact gaccctgaga 600
gccgagagcc taatgggcga aatcctctgc gcacgaggtc gctaccagga agccgagtcg 660
gtgtgcgcca acgtcctcgc acgccagcag atgagcatcg gcgatgacga cctcgacacg 720
ctggagaccc gccgccgcct cagtgcggcg tatgccaatc tcgcccagga gcagacgtct 780
tcaccaggcg gctggaagga caggcgctaa 810

<210> 19877
<211> 339
<212> DNA
<213> A.fumigatus

<400> 19877
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gaagcgatcg accccatagc gggatcgatc gcgtacacca tgggactgtt catctcgctg 120
ctcatgtgga gtttcgggtt gatatggctt gtatttgccc tggcgactat ctatcatgcg 180
tccccattcc ctttcaatat gggttggtgg ggattcacat ttccgctggg cgtgtatgcg 240
gcgaacacgc tcctgctggg tcagcagctg gatctgatgt ttttcagaat ttttgggatg 300
gtaagcatat atcaacattt agaaaactat gaatactaa 339

<210> 19878
<211> 423
<212> DNA
<213> A.fumigatus

<400> 19878
ccctgcccca agtttcctag agccctgtca attctcttct atggcctctt ctacgacctc 60
tccacccagc tgtacatcgg caggaagatt cccatacatc gcaccggtct ctttttaaat 120
tccacatgcg caattacgag ccgcaagctc actatggcgg agggttcgca ggagacggaa 180
gaccaaagtg tccaggtgcc gcgcgcttcg acagcccccg cgttgcccgc aattatcacc 240
accaccacca ctgtgcgcag tcgcaaggat ggccaacgca atgacgataa cagctttacg 300
aatgatagtc ccagtgttgc gacaccagga cttttaagga cttcgcagtc tttccctgtc 360

ggtatgtgca actcttatcg tcttccttt aaggactggt cattcagaca aatctgccaa 420
tga 423

<210> 19879
<211> 615
<212> DNA
<213> A.fumigatus

<400> 19879
cgaggcatat ttgtgattca caggaaagga gtatcgttcc tcagtcggat aatcggaggc 60
aaaaagaaag agaatctatc tgaagcagag gacgatgtct cggaaccgga caccttccgc 120
atggatgcca acgccgcggc acaaccgata ggcttctttc ccaagtttcc ccctccgcca 180
aagtacatca gggtgaaggc atattacaag aaagacaaaa cgttcagtag ggtttttctc 240
gcgcaggaat tgactgacat agcggcaccc tcgaacaact cggtaaagga tgcaacggga 300
tcgacgacag gcaccctaag cggcggcaat actggaaaag caatatgggc gttatcattc 360
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gtcattgctt caccggatga tcgtaaagaa gaaggactcg gtgaaggcga agaaactcaa 480
ggtgcggacg agcctccgca gttgaaggcg cctgtcttta ggactaagcc gatccaaatg 540
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cgaagaggca tatga 615

<210> 19880
<211> 474
<212> DNA
<213> A.fumigatus

<400> 19880
accaaacctc aagttatcgt gactgaccct ccaatgcaaa ccacgcagac ccgcatcaca 60
acaaaatacg gcttcccctc acaacgacct tcagcacaga aaaagccctc ttcgacatca 120
aaccccgaga cgaccgactc cccagcccgg actgccacca cacccgtcgc agtcctcacc 180
ctgaaaacat acaacccaac cgcaggcatc tgcctgaagt atcgcacgaa taaggcggcg 240
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ctggggctgt cggctccggc gccgacgacg actgcttctg ctgttgcgac ggatgtggag 360
atgacagatg ctccggcggt ggtcgaggag gctgcgagtg cgaatgcaag caaggcggat 420
acgggtgcta agggcgggaa atcgaagaag aaaggcggga aggggaagag gtga 474

<210> 19881
<211> 390
<212> DNA
<213> A.fumigatus

<400> 19881
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cttaggctcc ttgatgtatg tatcaatcag cagggagtat gtctccgaat gaatgttctc 120
aatcatgatc tggaagccgt agaagcatcg agcctcaggc acctgcacct cattgctgaa 180
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agagatgaaa taacgctcat cgtcattcag acggttgttc cagtcgtgca gatctttgga 300
gagatcaatc tcctcggcgg tccagaagga agcttcggct ttcttgtaca tttgccaaat 360
ctgcgtcgaa gaagcggggc atatcagtaa 390

<210> 19882
<211> 1710
<212> DNA
<213> A.fumigatus

<400> 19882

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ctgtggcatg tgtcaaggtc ggaatgtctc tgctgctttc agcacagtga tttcgttact 120
tctatccagt tccacccccg tgacgatcgg tttttccttg cggggtctct cgacactaaa 180
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atgtgcaaca tatacgacac ggatgggttg aagccagttg ggcagataca cgtccgatcc 360
gcgcgaggcc gcaacgccaa aggcagtaag ataacaggca ttgataccat tactttacct 420
cgtggcgacc ccaacggtga ggtcaagctt ctgatcacaa gtaacgattc acggatacga 480
cagtacaact ttaaggatag gacactggag gcgaaatatc gcggcaacga gaacacatgc 540
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cggcgggtat atgtttggcc tacgggtgcc gtggagaagg acttcgataa gcgtgctgtt 660
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tgcgtgcgct gtcatcgacc tatcagctaa 1710

<210> 19883
<211> 279
<212> DNA
<213> A.fumigatus

<400> 19883
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ggagttgtgg gcaaggaaaa cgcgccgtcg tccacagccc tcaccgacgc gcccaccgaa 120
aagattgcgg aaaagcctac ggaagcttcc aaagttgctc aaagtatcaa ggaactcgag 180
gcaaatgaac cattgcttca agagaaccct catcgcttcg ttcttttccc aatcaagtat 240
cacgaggtga gtggcacgtc cacaacgcgt cacgcgtaa 279

<210> 19884
<211> 618
<212> DNA
<213> A.fumigatus

<400> 19884
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aaggaatcta ctttcgctca gcgccttgtg gccttcgccg ctgtggaggg aatctttttc 120
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tctaagctaa tgtgccagta tattgagttc gttgctgatc ggctgttggt tgctcttgga 420
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ggaaagacga acttctttga gaagcgtgtt ggtgactacc agaaggccgg tgtcatggca 540
agcaccaaga aggatgccag ccaggacact gcaaaggacg ccaatgatgg aggcctctgc 600
tttgatgagg acttctaa 618

<210> 19885
<211> 594
<212> DNA
<213> A.fumigatus

<400> 19885
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gagtggcacg tccacaacgc gtcacgcgta aagtggttta ctccgcacca tgtcctatat 120
gtgcgttgtt tactgatatg ccccgcttct tcgacgcaga tttggcaaat gtacaagaaa 180
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gcaattgata caagtatgct gctgtctcgt ttctctcgtt tagaccgatc actaatttcc 540
tctagttcct tgtatcagga agaaggccca gtgggccatg agatggattt ctga 594

<210> 19886
<211> 366
<212> DNA
<213> A.fumigatus

<400> 19886
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aagtggattg tcaacctgat ccgtgacaca cgtgttgatg ccaagattga ctacaaggag 120
ggcaccgtta ttatgaacca ccctccccag tctgtgtacc agcaggtcat cgagaagacc 180
aagggtgctt tcttccggac acaagtgctg aggttcgtcc gtttattgta tccacacgat 240
cgacaagtta ctaactttaa ttttctcaca gtgcggctgt tgcgaaataa agatatggtt 300
cagatttacg ccccgaaaac acaatttatc tttttttctt cctccgaatg gttctgttca 360
tgttaa 366

<210> 19887
<211> 198
<212> DNA
<213> A.fumigatus

<400> 19887
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aacaagaaaa atcaagaaca atttggtatc aaattctcct gttatccaac cagcgcgttc 120
tcgttgtggt tccgatggga tttcgtcatt catattggtc gagagatatt gccggagagc 180
ccacaacacc acaggtaa 198

<210> 19888
<211> 192
<212> DNA
<213> A.fumigatus

<400> 19888
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atgatttcga aggaattgat tgaggttcga gatgctcagc tgcaatacaa tcctactcgc 120
ttagagaagc tgatcagcat tcccatttac aaccagtata gaatcttcca gacgagatca 180
cacttacagt ag 192

<210> 19889
<211> 597
<212> DNA
<213> A.fumigatus

<400> 19889
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acgtcttcca gtcatagtat ctcaaacgcc gcaaaagcaa ctgaccaaat gtctcgcgat 180
cccattactt gtcatgtcct taacaccctg tcgggcactc ccgccgcaaa cctccccgta 240
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aacgcaacga cggacgcaga tggacgcgtg aagaattgga ctgccaccgc tgcaacagct 360
acgacagttt cgggggtcct ttcatcgctg ccgactgcgg acagcaagac gaactgggcc 420
gtgcgttttg aggttgggcc ttggtatgca gcgcagggga ttgagagttt ctggccagag 480
gtggaggtga agtttacagt gaagggacgt ggacgggagg gtgaggagga ttggcgccac 540
tatcatgttc cggtgctgct gggcccttgg aattattcta cttatcgggg ttcataa 597

<210> 19890
<211> 216
<212> DNA
<213> A.fumigatus

<400> 19890
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acagcgggat tcgttgactt caactacctt gtctggagtg agaatcaggc taatcacaac 120
atgaatcatg ccaggggagc tggcagacca gattcaatgc atcggctccg tgaaagcata 180
ctgcaccatt gcaaaggctg gctaagcctg gcataa 216

<210> 19891
<211> 1104
<212> DNA
<213> A.fumigatus

<400> 19891
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tatctcgacc gtcacctcgt ctttcctctg cttgaattca gctcgggcca agatgacgag 120
aaggaaattg tccgtgcgaa gtatgagctt ttgaagcaca cgaacatgac cgactatgtt 180
gccaatctgt ggaaggaaat caacaactcc gacgacattc ctgatgagtt cgtgaagaag 240
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cgattccagt acagctgcgg cagctacggt aatgccgcag agcttctcta tcagttccgt 480
gttctttcaa cggataacga caaggtcgcc tccgctacat ggggtaaatt cgcttcggag 540
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gagacccgtc tattcaacaa ccctctgggt cagctccaga accgctcctg gctgattcac 660
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ggcgatgccg atgaggtgct ccggagcgac ttcttccttg tttcgaccac tgatgccttt 1020
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atcaagtatg tgacagcatc ctaa 1104

<210> 19892

<211> 213
<212> DNA
<213> A.fumigatus

<400> 19892
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aacactagtg ctagtgcaaa tggggttgtt tttattgaga aattagtccg tgtgcctgtt 120
ggcgagacgg aacctgagtg gcaactggcg acttcggcag atttgattct gtcgtccaac 180
cagaaaatca agaacttgcg atcacgtgat tag 213

<210> 19893
<211> 729
<212> DNA
<213> A.fumigatus

<400> 19893
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tatctctttc gagccaattt tcttggaaac ttccaataca ccagaatcaa aagtttttgg 120
cctctgcggg gaagcaaata cgtgtgtaaa ttcaacccca tcgctgctca ccgaacaagc 180
agactacccc ttggcaaaga atttgagcat tttctcactg cactgagttg caatagattt 240
ctgcttacca gattctcaac ttccgaatcc ctcaaaatgt cttcaaccgc ggttgtgcac 300
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cttagcgcta tggaaattga tccgaacggc agcatccagg atctcctcgc tagcggggat 600
tcgcagggcg acgatccctt ggccggactg ggaatgggta atatgatgca ggatctggct 660
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tgcccttag 729

<210> 19894
<211> 630
<212> DNA
<213> A.fumigatus

<400> 19894
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ttccccaccg tccttgagaa ggccctcgca aagctctctc agctgtcgtc tcagttcgga 180
ccaatgctga actcgatcct cggtgctcgt ggcggtctcc caggcggcca gaacatcgac 240
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gagaccgagc gtatgatcca ggaactcacc agctacggta tcgataccca tgccatcgtg 420
gtaaaccagc ttctgttccc caaggaagga agcggatgcg agcagtgcaa tgctcgcagg 480
aagatgcaga agaagtacct tgagcaaatc gaggagcttt acgaagattt caacgttgtt 540
cgcatgccgt tactggtcga ggaagttcga ggaaaggaga agctggaaaa gtcagtcccc 600
atccatcact tgtttgaaaa aaatcactaa 630

<210> 19895
<211> 249
<212> DNA
<213> A.fumigatus

<400> 19895
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ctctcgagac atattgtgct gggccatatc cagtatttcc ttggaccatc agcgactgtc 180
agaccctata cttaccaggt aaacgattat ctagttggcg aacgtgtgaa atgggaagag 240
tctgcctaa 249

<210> 19896
<211> 198
<212> DNA
<213> A.fumigatus

<400> 19896
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tctggcttcg atgtgcatcg cctaggttct ttcgtcctag acacgttctc caatggcctc 120
tcgatcccta caaatgatac acgagacatc tctcttcata agcagtctca ttcttcactg 180
tcacctgcac cgatctag 198

<210> 19897
<211> 477
<212> DNA
<213> A.fumigatus

<400> 19897
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ttcaccctgg gcctcgctcg cgaccatgtg tatcaactgg ccctccagga tcagccttac 180
tacgccccag tgcaccaacc gattttaggc tccgtcctgt tcggcatcgg atctatcctc 240
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<210> 19898
<211> 192
<212> DNA
<213> A.fumigatus

<400> 19898
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tcaaaatctg ctgatttgcg tgtgattgaa gtcgttcaat acggcctgtt gactatgccc 180
cgagccagat ga 192

<210> 19899
<211> 585
<212> DNA
<213> A.fumigatus

<400> 19899
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<210> 19900
<211> 402
<212> DNA
<213> A.fumigatus

<400> 19900
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cgccgccctt catgccattt cactactgac cgttccctttag 402

<210> 19901
<211> 3039
<212> DNA
<213> A.fumigatus

<400> 19901
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taccttcccg ttgttctgat gtttgtttgt cgttgctgct tcaccagtac taataatagc 180
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gctgtagtaa ctgactcgaa ctgtttcaga cgtgattga 3039

<210> 19902
<211> 1020
<212> DNA
<213> A.fumigatus

<400> 19902
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<210> 19903
<211> 252
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (196)
<223> Identity of nucleotide sequences at the above locations are unknown.

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actccttctg atagttttga tgtcttcagt aatacagtct atgacttaga ttcctgtaat 180

cagggccaag aaaaanaaag aagaaaagaa aagaaaagaa gagaaaagaa aaatccctta 240
gatccgacgt ag 252

<210> 19904
<211> 1515
<212> DNA
<213> A.fumigatus

<400> 19904
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ttttggatcc gccgacctag cgtttcccgt aaggttgccg atgctgaaaa ggcaatgcaa 120
gaggaggaag cagcagccgc cgctgcgagg gctcgcgaaa tcgaagcagc gcccatcaaa 180
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ccatccgcgg agtaa 1515

<210> 19905
<211> 1770
<212> DNA
<213> A.fumigatus

<400> 19905
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<210> 19906
<211> 879
<212> DNA
<213> A.fumigatus

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<210> 19907
<211> 2520
<212> DNA
<213> A.fumigatus

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<210> 19908
<211> 723
<212> DNA
<213> A.fumigatus

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taa 723

<210> 19909
<211> 216
<212> DNA
<213> A.fumigatus

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<210> 19910
<211> 1446
<212> DNA
<213> A.fumigatus

<400> 19910
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<210> 19911
<211> 423
<212> DNA
<213> A.fumigatus

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ttgggcctgc ccgatcacgt caaggtctgg acgggccatg actatcctcc cgaagggcgc 180
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tag 423

<210> 19912
<211> 1125

<212> DNA
<213> A.fumigatus

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<210> 19913
<211> 693
<212> DNA
<213> A.fumigatus

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<210> 19914
<211> 492
<212> DNA
<213> A.fumigatus

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tgggcatcaa gcggttctgc tatgcttcgt cagtcaacgc tgtggggctg gcgtatgcaa 360
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tccctggcat ga 492

<210> 19915
<211> 192
<212> DNA
<213> A.fumigatus

<400> 19915
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tcgccgattc aaagtcatgt gtttggatcg ccgagtgggt acaggtcgat ccccgatgca 180
ttggctgcat ag 192

<210> 19916
<211> 798
<212> DNA
<213> A.fumigatus

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<210> 19917
<211> 885
<212> DNA
<213> A.fumigatus

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<210> 19918
<211> 264
<212> DNA
<213> A.fumigatus

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aggccctaca agcgcaccat ccgcacagaa gcagtcgaaa tcagcgaaag gcaagccagc 180
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gggagttaca gaaccattac ttga 264

<210> 19919
<211> 540
<212> DNA
<213> A.fumigatus

<400> 19919
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aactgcatcc gaaagggaca ggcgcattcc tgtatgccaa gcaggcgaag ggagtcattc 180
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<210> 19920
<211> 1506
<212> DNA
<213> A.fumigatus

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agtcctgtca cggtcgcgca gagccaagtc gtcgtgcttg aacgcaaggc caatcctggt 1260

gcagaaaaga ctcgcggcaa gggacgacgc gagcaacccg ccccgaataa tggcagcaac 1320
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<210> 19921
<211> 255
<212> DNA
<213> A.fumigatus

<400> 19921
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gacgaatggc tggaggcagc aaaagattgc aagtatctgt cagagcagca catgaagcag 180
ctttgcgaga tcgtcaagga gtacatgatg gaaggtgagt ctgctcaggg atcaagggat 240
acactccggc tctga 255

<210> 19922
<211> 333
<212> DNA
<213> A.fumigatus

<400> 19922
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gacatccatg gccaatttta cgacttgctt gagcttttcc gggtatcggg cggaatgccc 120
gacgggtctg aggcggaggc cccgaagacg cagtcagctg tcattacatc ggacgatatc 180
gaacctccat ctacgatctc agatcccaag ctacgaaaga agttgagaaa tacctttgcg 240
ccggaggatg gcagcgaaga ctccagtgcg agccaaagag accggtcctc gagcgtcttc 300
accacgcggc tggaaggaac cgcacttggc gta 333

<210> 19923
<211> 1272
<212> DNA
<213> A.fumigatus

<400> 19923
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aggttttact atacgaggtt agggccgagc gcaggccttg gcgaatatcc cgccgcggtg 120
atcaaaacgg ctttttcacc tccagggaag aaagactttt tcctccgcca tcaaccttca 180
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tcaagcgatg gcgacggggg ctcctccagt gcccctgggg gcaccagcac cattggcggc 360
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ccgtacccca ccggcccgac caaccccatc atcatcgggt tcaaggcgtg gcataccaac 660
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gtctgctgct ga 1272

<210> 19924
<211> 330
<212> DNA
<213> A.fumigatus

<400> 19924
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caaggctggc tggagaaaaa gctcaagccc aagaaggtca ctgccagata tccgttcaag 180
ggagcgcctt tgctctatgc gacatgcgcc tttggaagtc tgggggatgc cctgtttggg 240
tacaactctg gtattgtccc ctataagctg gacggcagga gtgctcctca tgctaacggc 300
aataggtatc atgtccggct tgctggttaa 330

<210> 19925
<211> 999
<212> DNA
<213> A.fumigatus

<400> 19925
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tcactgccag atatccgttc aagggagcgc ctttgctcta tgcgacatgc gcctttggaa 180
gtctgggggа tgccctgttt gggtacaact ctggtattgt cccctataag ctggacggca 240
ggagtgctcc tcatgctaac ggcaataggt atcatgtccg gcttgctggt taaccccgtc 300
ttcgtgtcgc gcttcttcaa agactatggt ggtgcagacg gtaccacgaa tgcagtcaac 360
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attgcagggc gtctaggcga catcatcgga cgaaagaggt gcgtccgcct cggcggcttc 480
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tggacggtca gcctgacaac catcttatgg ctccggtga 999

<210> 19926
<211> 294
<212> DNA
<213> A.fumigatus

<400> 19926
cacgatgaac aggaaatgtt cacccgttat cgcaaacgaa cgatcgttgg catcacggtc 60
cagatgtttg cgcagctgaa cggaatcaac atcatttcct tctaccttcc aagcaccctt 120
gcatcagccg gattcgacaa tcgcaaatcg ctgctgtaca cagctgcgaa cgcgcttccg 180
tataccgccg ctacaatcgt aacatggtgg ttagcggaca aatggggccg gaagcctttg 240
ctcattctcg gaggtgagtg tctggtacct tctcgaaacc atatggccag ctaa 294

<210> 19927
<211> 480
<212> DNA

<213> A.fumigatus

<400> 19927
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aacattgtct acggcttcac ctggggccct atgccctggc ttctccccgc ggagatcttt 180
cccctgcgcg gtcgcagcaa gggaatggcg ctggcgacca cgagcaactg gatcttcaac 240
tttatcatcg gtatggtgtc tcctgatgct tttgcgggta ttcatgggta cttttacgtg 300
gtgattgcgg gcttctgcct cttctctgcc ggtctggttt acttttacta tgtggagact 360
gcaaatcata cccttgagga aattgccgtc ttgttcgggg accaggcgtt tgccgatggg 420
gacggggcag tcatggaggt tgctgatgtg aagaacgatc atgggaagga gcttgtttga 480

<210> 19928
<211> 207
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (98)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19928
tccgagtgct acttgtgcga agcgtcgaag aaaagagtcc cgagagttct ctaccaggtc 60
gaacactgtg cttgtgaatc gttccacctg ttcgtcgnag gctctatgca gtgcgctgcg 120
gaatgcaagc ctgctcagta tataacctat ggcaaggatc gcgccccgta tcttcagcaa 180
ggcttctccg atcgccggtt tccatga 207

<210> 19929
<211> 5061
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (2540)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19929
gcatcgcctc tggtatggtg gcttgtacat catcatcttt cacattatcc atgcgccagg 60
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tccgaggctc gcgagttgag cttaatatca aaggttgagt tgcgaattgc acttgcagat 180
acagatgaga aactcgaagg actcctcaac acatatctgg ctccgttgtt actgaagcta 240
ggttccgaga gccacgcagt ccgcagtaag gtcattgcgg tgtgccaaca tatcaatacg 300
agagttcaag caccgtccat ccagctgccc gtggcagctc tattaaagca gttcaaagac 360
cagaagtctc aactgatcag acattttgat ttgctttatc ttcaacaagg cattgatcga 420
ttgagtccca acgcaagaat tgacatctta tcccctctgc tccagggaat ctctgagatc 480
ggagcaacca accaaggtgc cattatcttc aaccttgtct tgcggcttct gcctttgctc 540
aatctacctc caaagggcag tgaagaggat acacggctga agtcgacgct ttgcctttct 600
gaccaggata ggagttttct gtcttcgtgg ttcgagaagt tacttcttct gtaccctgca 660
gaaaaagatg caaccacatg tcctgggcta tcacctgcgg agtacacctt tttgaacaaa 720
ggccttcctg cagatgagac atggaaccct gcttcgaatg gcggactcaa ccttaccgcg 780
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cgattaatcg aggaaggtct cctctcagac aaagcaaggt cttcccaggg cctacaggcc 1140
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ttgtggcagg agaacaagca gcttagtgac tcaatgaagg taagtctcag tcttgcgtac 5040
cgtgtatacc taggaggcta a 5061

<210> 19930
<211> 1182
<212> DNA
<213> A.fumigatus

<400> 19930
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gagccggact cggaggaatt caagcgcctt gagaaacgcg aaactgaggc ttatgaagag 180
gccaagctga ttcggatgga gatactatct gatgtttctc gcaaagtttc tcgctatatg 240
aaagtgatta gagagaaatc ggaaaagaag cagttcgtgg ttatcccgaa aatgaagcca 300
cagctttaca gcaaaggact ggaggcccgc cgcatattcg acagatacga ggagttctgt 360
gaagtgatga ataaacacgc tgttcagtac aacgaatggc gcgatatcat ggtcaagtta 420
ctctcgcagt cgctgattga ccaggaggat gaatcagagc tcgaaggaaa cgagtacgaa 480
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gctcttgccg agttggaact tgtcaactca gtcctccaac acgctgccaa gatggctgca 840
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gatgaggaga gtgtcggtaa accgttggat gaagaactat atggggcgaa gctcaaacaa 1020
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ctgagagacg actcaggggc tgataatgca tcgagaatat gtgttatatg tcagtccagc 1140
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<210> 19931
<211> 561
<212> DNA
<213> A.fumigatus

<400> 19931
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aaggtcaacg actttcacca aatcacctat aagcccgaag agtttgtggt gcaggaagag 180
aagacaccca aacttgaatc gggtcgttca tcgaacagct tcatttacac tgacatcagc 240
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atcggctaca gtagcattga caatgcagat ggtatagaga ggttcaagag cgacccagcg 480
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<210> 19932
<211> 276
<212> DNA
<213> A.fumigatus

<400> 19932
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ttcatgccag atgcgctgaa cattgtgtct cgagtactgg acgaagtcac cgaggctgac 180
gcagactcca tggacattga ttcgggtagc ggccaaaatt ccaagtacgt ctacaagatc 240
tgctcccctt tctcagtctt ttgtaggctc ttctag 276

<210> 19933
<211> 417
<212> DNA
<213> A.fumigatus

<400> 19933
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cacgggacga gaaaagtgca gatcagcctt tacgaagaat taggcaagct atttgagagg 120
ttcaggaaat gggcaaccgc aggcaatggc cagaagcctg aagcaggcga attgcaggga 180
ccgttggtgg cgcttgcgca aaaaatgctt tgtcgggaga tagacatgtc catcgaaaac 240
atccggatgg gtcgcgcaca ggccgcagct gcctacgttg ctttgtccca acagatggag 300
ctagatgtca ctcaggcact acaggattcg gtcaagacct ggaaagacag cgaaagatcg 360
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<210> 19934
<211> 207
<212> DNA
<213> A.fumigatus

<400> 19934
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gaactttact ctagcactga cgctatgccc gatctgacta gctataacac tgcagaacgc 120
tttttgggga cgcaaggagc gcagtccaag aaaccagaca gtcgcccgaa aacccgtctg 180
gcagtcgaat ttcagccagc cttgtga 207

<210> 19935
<211> 600
<212> DNA
<213> A.fumigatus

<400> 19935
agaggttcaa gagcgaccca gcggtatgtt tccccaaacc ccactgttac tgtttcttta 60
ctgataattg ccttgcaggt cgaatgcttc tttctacatg ctaaagctca gtcatccggt 120
cttaacttgg tcaacgctac tcatgtgttt ctctgcgaac cacttgtgaa cactgcaatt 180
gagctccagg ccatcgcccg ggtgcatcga atcggtcagc accggcctac taccgtctgg 240
atgtatctcg tatctgatac cgttgagcaa tcgatctacg agttatcagt ctctcgtcgc 300
ctggctcata ttgtccagaa ggagaaagtg aaagaggcat tggacgaccc aggagccgtt 360
ttcaaaaatc taactgaaac agccattgat tcggcaaact ccttggaagt acaagatgcg 420
acgctggcaa agctgatgac aaaaggaaca gcaggggggg aactcgtgaa gaaggatgat 480
ctatggcaat gccttttcgg caatgccacc caaaagatgg acttaagggc agatggggaa 540
gtggcgaggt ttttgcgagg tgatgcagca gagaaaagaa gggccgctgc ttcttcatga 600

<210> 19936

<211> 201
<212> DNA
<213> A.fumigatus

<400> 19936
gatgcaggag aatatgattt aaggtcagct cttggggtct ctctaatcat ggacaagcca 60
tacccgtctg ttgtggtcat cgagcagctc tcgggcatga tgggcatcaa tcccgtccac 120
gaccaggcta cagggcagat ctggcgagca ggcttcttta gccaccatag tctgcctgta 180
gctttcgacc cggatgccta a 201

<210> 19937
<211> 204
<212> DNA
<213> A.fumigatus

<400> 19937
gatgtgacaa agcaaaggaa atctgccagt ggtattgctt cttccatcaa acttctacag 60
agcaccgcgg ctattttccg cgtgctgcag aaggtcactt atcaaggcgg atgggccttt 120
ggcaaggtgg aaatgtggaa tcgaagctgg agccatacaa ggaatagcct cctgcttggc 180
aacattcaaa cgctagctga ttga 204

<210> 19938
<211> 1410
<212> DNA
<213> A.fumigatus

<400> 19938
ggtacggata tttccgtcgc tgccgcgatt atatcgccct ttctcaccga gcccacgctc 60
ctatcgatgc agtgttacgc tctgatgtct ttatatctca tgaatgcaag ccaattcagg 120
gacgcctaca gcctacttgg gacagccatt cgcgatagcc atagcgtcaa tctccacgag 180
gagcccagcg agcgtcttca gccaaaggac agaatagctc aaagacggat ttggtggtta 240
ctcttcatgc tcgatattaa atgctcccag cagcttggaa agccggtcgc tgtacagacc 300
gctacgataa cgtgtgcttt accgtcagtg gatgagctga ctacgatgcc ggaaaacaca 360
agggtctgtt ggaaggacct gcacgtctcg acctatttca ttcatgcggt caagttcgca 420
gtgtctcttg ccgagatcca acgactgatt tccccgtcaa aattattcga ggataccaac 480
aacatcaccg cgctcgaaca gcgagcgaac ctgctggcca catcactggc tggtctagag 540
aagtggagca atgaactacc ggaggacctc atcagcccca ggaagaacac gggccacgcg 600
gaagctatgt ccacggcaga gagtccgata gtgttagagc tcggagcacc cagctggctc 660
caccaccaac gggttctcct tgaagtctac tatcataatg catatgtcat gcttcagcgg 720
ccattcatct gtttcccaca accttccaat tcatctcccg tccaacagcc acaaacggac 780
caccatgctc gcagttcgct ccagcacgcc ataaccatga taattatcgt ccacgacctc 840
tgctcgtctt ccgacctttt ttttggctgg cccgcaattc tgcacccgtt gtggaacgcc 900
acggtaacta ttcttggatt cgttgtagcg aacccgtcct cttcgcggtc acggagggca 960
atccagtgga tcttcaaggc cttggctgta tttgaggcct tcgcagcaac cgaacctttc 1020
gctgctcgag ctgaaactct cacgaaatca cttgtcacga aactgaatga catattgacc 1080
accctggatg aaaagtcgga gcaggagcag acaaacgacc gcggcagaat tgccccggga 1140
ttgacactgc agcaatcacc cgactctgta ccctcaacta ctccatcatc cgcgaacccg 1200
gttgatatgc tgaggggtc tctcgcggga gggttggagc acacttttga taatacattt 1260
ttcacgaatg acagcctttg ctcgtcgatt gaagcagctg agattaacac atgggccgcc 1320
tatcaagatc atcttgacat atggaatggc agccactcag ataaagctct ggatgcaaca 1380
tatacactgg gaataggcaa tactccttga 1410

<210> 19939
<211> 642
<212> DNA
<213> A.fumigatus

<400> 19939
ttctcggaca tcccccacgg gatttcaaca caccgaatca agatgaatca aattcctgtg 60
ttcgccggct tggggtcgga tgcgcttttc tcggaacgaa ctctggggac tgcggccgag 120
gacgctagaa cgccagaggg ccagattata ttacgagcgt gccatagtat ctttctgaag 180
gaggtcgcct ccgtcaccca cagccggcgt ctaccatcgg acatcaatct ggacgacttc 240
gtggagccgg aaagcctcat acgacctcgg cagtgtaatg agcggaatag catcattcaa 300
catgtatctc tgtacaccat ccagctttta aggtatctac ggtactcgaa ggagaagcct 360
ggtatcgttc ttggtgtggc tggattttgt gccggattat tgccttgtgc agcggtggct 420
acgtccaaga ctgtcatcga actgctagcc cgggcccaag atttcttcta cgtagctctg 480
catttaggca tccgggtcga aagctacagg cagactatgg tggctaaaga agcctgctcg 540
ccagatctgc cctgtagcct ggtcgtggac gggattgatg cccatcatgc ccgagagctg 600
ctcgatgacc acaacagacg ggtatggctt gtccatgatt ag 642

<210> 19940
<211> 1050
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (255),(323),(366),(367)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19940
cgaaatgccc aagggacctt cgttgaagga gattcaagag gggaggctcg taatgctgct 60
cagagggaag aaatggccgc tgccgctcgt cgtgcgcaac tccttgccga gcaggagcgt 120
ttgagccaag cgcaagcgca agcccccggt cttccatcca ccgccaactg ggccagtgct 180
ggatctccgg ctactccgac gtccaccggt tccgtctgga acaacaaggg tcaggccact 240
accactggtg gtggngcaaa aaagacgctt gctcagatcc aaaaggaaga ggaggccccg 300
aagcaacgcc tggcggcttg cgnggccgct gctcaaaccg cagctgtttc ttcacccgcg 360
acattnnacc gcaagcggta tgcggatctc ggcagccaag gctcctgcga cagcccctgt 420
tgccgaaatc agctccgggt gcttggaact accgtgggcg ccggcggaaa gcccaaacct 480
cctcctgccg caccatctgg tccccgcgct accagcggta atgttccacc ggccgcatcg 540
cccgccaagc cccgggccgt acccgtagcc tctccccgac ctgtagccgt cggtagcgcc 600
ccgccgtcaa acgccaaccg cgccctggag gagtttacca aatgggccaa gttgtctttg 660
ggtaaggggc tgaacagcaa tatcaatggt gagttctgca tctacgcaat catcgagaac 720
aaacaactga tggtgatttt agtggatgac ttcgtgcaac aattgctcct cttgcctgcc 780
gaggcggaga ttatctcgga ctcggtgtat gccaactcgc agacgctgga tggtcggcga 840
tttgcggagg agttcattcg ccgccgcaag ctagcagata agggcattgt tgaccccgta 900
gcacccagcg cccttgcgga ccagaagaat gctgccgggg gtggatggag tgaagtggcc 960
aagaagggat cgtccaatgc gcaccgcgaa gaggagagta gtaacgcagc gttcaaggtg 1020
gtggcccccc gtaagaaggg caaacggtga 1050

<210> 19941
<211> 564
<212> DNA
<213> A.fumigatus

<400> 19941
ctccggctcc ctcgccgacc gccgcgttgt cgccgtatac agattcctca gcggcaggtg 60
cggcgccgtc ggcgagtccg tcccaatggc cagcggcgcc cggtgggccg caaactcggc 120
atacgcaaac gcacgcgcgc atcgctcctc gcccagcagc cgcggccacg cacgcagaat 180
cgccgggtcc gcatgcaccg gctgcaccga ggccgtgatc cccagctggc ccagccgcgc 240
cgcgtcctca ggcgccgtca gctccagatg ctcgatgcga tgccgccggc cgggcgtgcc 300
caccgcggcc agcgtgtcga ttgccagccg caccgtcgca tcgccgatcg catgcagcgc 360

gcactgcagg cccgcagcgt ccgccttggc cactacggcc cgcagcatgt cggccggcca 420
cagcggctcg cagttcgtcg gcccgtcacc atcggcagtc gcagcagcag cagcagcata 480
cggcagcagc agcgccgcgg tgcacgcatc caccaccccg tcgcagatga ccttgatgcc 540
cgcgatgcgg aaatccggcg atga 564

<210> 19942
<211> 186
<212> DNA
<213> A.fumigatus

<400> 19942
accctccgtt gccaccaccg ctactgctac cttcattgtg actggattgg ccttggttat 60
gctcgtttga ttctgacgtg ttccacgacg gatgttcacc ccatgtggga ggggcctgtt 120
cgctatgctg agctagacca ctactacgac ggcgctcggg agatggaggt tcaggactgt 180
cgttaa 186

<210> 19943
<211> 681
<212> DNA
<213> A.fumigatus

<400> 19943
caaccgcagc tcatccacca caccatcggc aacttcaata tccaaccgga caaacaagcc 60
gtcacccgca tcaatgactc cctatctaca ttgcaacaat ctcgcgagct ccgtatgcgc 120
gatgccgagt cggcactccg taaactctcc cgtaacttgc atgccctgac cgcgcaacat 180
gaggaagccg tgtcctcaca cgactcggca aagcacgctg cgcagatggt tgagctcgac 240
acgaagaaat tccggatcgc caaggccgca acagagctgg agattgagag cgagaggctg 300
gaaggcgagc tagagatgct caaggagaga ctggctgagt tggaagcgca ggggctcgag 360
ggcgacgaag ctacgcggag agagagggag gccgatgatg cgactatgtg ggtggtgctt 420
ctctgttttt actggagagt tctgactgat tatgcgacag acttcgcctc aaaatctacc 480
ggtccttggg cattgatatc gaggcggacg aggccggcaa cttcagcaag gccgttattc 540
gcaacagtcg caagggagac gtccacgtgg tcaatatgga ccccaagttc tcgcgttttt 600
tctatgccaa ttacttttgg tcaaccatgc agggttgagt tgtgcaatct ggttatggcg 660
tttggttttc tcccaggttg a 681

<210> 19944
<211> 993
<212> DNA
<213> A.fumigatus

<400> 19944
aagactacag agaagatgcc gggctttgga agtgtgcgcg gagagagtcg cctcaagggc 60
ttattctcca aggatagctc agaggatatt tcggcctcca tcaaggagaa gccttctctc 120
agcaacttgg agcgtttggc cgaagaccag gaggagaaac gctcgcagtc accctggggg 180
gaaaccgtta agacacgcac tggccgcagt gagacgaacc catttgcaga ggacactcgc 240
agtggaagcg ctgcccttgg aggatctcag gacgcgagcg cgccgtccca gaccgcggac 300
cagctgggct tctccgcatt tggaatgaca tcgagtattc cgggcttcag agagctaatg 360
cagagccacg aaaattctcg caaccccacg ccgagcttac tccaaggcca ggaacctact 420
agcccgacca acaccaatcc ttaccaaagc ccgcagggcg aacggatcga cgctgatgat 480
gtcgagaccg acggatcgga cattcagaac acccaccacc ctggcctttc gggtcttcga 540
gattcggccg gtccattcag ctcgatgcga agaatagggt cgggcatgga tcttccttct 600
atcgaccgta gccagacttc cagtgccgca ggcaaccgca gctattctgg tctcggcggt 660
ctcggcggcc ttcctactct gggaggcgct tcggcttggt cttctggcgt tgttgggact 720
cctactcgag agaggtccgc cttctctacc ggcttcggtg atcccatctt cggcaccatg 780
gctgatcttc agtcacctag tctgtcaacg ctgggaggcg gtggcatctt cagccctggt 840
attacgggta ctggcagtat tggccgctcc agcaagctag gctctctttt ccccccagca 900

atgcaggagc agatgcaagg ggatcaagcc agacaaggca gtttggagga tggttctcaa 960
catcaaggta ggtctaacta tgctcctata tag 993

<210> 19945
<211> 1701
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1024),(1099)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19945
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ccgacgacaa cctcaacgtc ccagactcct gtctctgcga tcggttccgt tccggcctct 120
atggcttccg aagcaccaca accgagtcaa actccaggac agtccggaag caacgctggg 180
tctgtgcctc ctgcccaaca acggaccatg gtgatgcccg accgaatgcg ctggatttac 240
cgtgatcctc agggtaacat tcaaggtcca tggaccgggt tggaaatgca cgactggttc 300
aaggctggct ttttcagccc cgatctgcag atcaagaagc tcgaagatcc agagtttgaa 360
ccattggcgc agctggtgcg acgcattggg aactctcgcg agcccttcct cgtacctcag 420
atcggaattc ctcatggacc cgaccccaac gctggtgctc cttggaccgg atccaccacc 480
gcgcagcctc ccttccctgg cagcttcccg agttttggta ccaccttaac cgccgagcag 540
cagaacgctc tggagcgtcg gaagcaagag gaacagtatt tgatggccag acagaaggag 600
catctcgctc agcagcaggc gatgatgaag cagatgcagt tgcaaggcgc cgtccatcct 660
ggcatccacc ctcaacttca gcatcattcc agcgcccaca gccttcacag ccagcctagc 720
tttggcagca ttgcttcacc cattggattc cagccatctc cgattcaggg gccaatgcag 780
cagcagccgc ctcagtctgt ggctggtttc ttcgatgcag cagcaccctt gaggcagggc 840
ccgcagatgg tcggagccga tctggtcaat agcccgcatc aacttgcgcc gctccttgat 900
cgcttgaaca tcagtcgtcc ggatccgttc gcatttggca gcccgtccta ttttgcggct 960
cggcagccgg acaatctctt tcattcccaa caagtagcca cgatgttgca agaccgtgcc 1020
cggntacagc aggaacaaga acagtttgac agtactcagg gagaaggcat tttcgagcag 1080
caggcccgcg aagaccggnt gcgtcagttt catgcactga gagcgcagga aggcgatttc 1140
ggcatgcaaa atgctcaagg tcatccttcc catcatgcta ccgaaccttc ccagcagcag 1200
gaaatggcac ccatcggttc tcctcagaag accggtacca gctctggtgt tgttgaccag 1260
ggcaccgcac caagcgagga agccccgctc actctgtctc aacaagtcca gaaagctgca 1320
tccgctcaga gacagcagca ggaacagcag gagcagcagc agcagcagaa tgagcagtct 1380
cacgccgact ctgcgtgggg cgccaaagac gacaccgcta tgccccctcc gccttctgcg 1440
tcgccgctcc ccgctcctgc cgcacagcgt aaccgtcaga atgtcgccga gtccctggca 1500
gcgaactcgc ggtcgcagac gcagacccct gtcgaggctc ccaccacgtc catcgcgcct 1560
tgggccagag ggggtaacga aatgcccaag ggaccttcgt tgaaggagat tcaagagggg 1620
aggctcgtaa tgctgctcag agggaagaaa tggccgctgc cgctcgtcgt gcgcaactcc 1680
ttgccgagca ggagcgtttg a 1701

<210> 19946
<211> 774
<212> DNA
<213> A.fumigatus

<400> 19946
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gaccccgact tcaaaaacct caatcatggc aggttccccc tcgagtcgag agtttcattg 120
acctcactaa caccttccct tcccccaggc tcgtttggca catatcccgt tgcagtgcag 180
acagctctgc gacacttcca atcgcaagtg gaggcccgtc cggatccgtt catccggcac 240
atccagcccc aattgataga cgaagcccgc cgcgccgtgg cctcgctgct caatgtgccc 300
accaacgagt gcgtgttcgt caagaacgcc tcgacgggcg tcaacaccgt cctgcgcaac 360

cttgtcttca agcagggcga tgtgctggtg tatttcgaca ccgtgtacgg cgctgtcgag 420
aagacccttg tctcgctgac tgagaccacg ccgctgcagc tgcgcaaggt ccagtaccag 480
ttccccatta gccatgacga gctggtgcgg aagttcctgg aggtcgtggc gagtgctacg 540
gcggaggggt tgacggttcg tgttgcggtg tttgatacga ttgtcagttt gcctggcgtg 600
cggttcccgt ttgagcggtt gatcgaggcg tgtcgcgccg aggggatctt gagcgttgtg 660
gacggggcac atgggatcgg gcagattccc ctggatctgg gtgctttgca gccggatttc 720
ttcacgacga attgtcacaa gtgggttttt ttttttctt ttctcaacct ttga 774

<210> 19947
<211> 1797
<212> DNA
<213> A.fumigatus

<400> 19947
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tgctggggag atccagaagg cgttggtgcg ggactatggg acctttgtgc ctgtgtttgc 120
gcacggcggg tggttgtgga cccggctgag tgcgcaggtt tacttggaga agagcgattt 180
cgagtggctt gcaggtgtgc tgaacgagct atgcaacaag ctggtgaaga agtttgccga 240
gccaaagttg tgatggtgat atttcctacg tgtatatact tccttaggtg tatatatata 300
tatatatata tatctctaca tgaattctgc gtcagcaact gcctaggaac ggctgtacac 360
cctccttcca tcaaagtatg tctcgcacac cgaggcctcc agcagcttct cggcctccca 420
ctccatctcc aggactgcaa aatccgcctt cttcccgacc tccaggctcc ccgtgaaccc 480
atccgccaaa gcacgagtac gccgagccgg ccgtcgccgc cgaaaccgcc tggcagcagc 540
gacagcttga actgcgggtt taccgtcaca gttgactccg gctccctcgc cgaccgccgc 600
gttgtcgccg tatacagatt cctcagcggc aggtgcggcg ccgtcggcga gtccgtccca 660
atggccagcg gcgcccggtg ggccgcaaac tcggcatacg caaacgcacg cgcgcatcgc 720
tcctcgccca gcagccgcgg ccacgcacgc agaatcgccg ggtccgcatg caccggctgc 780
accgaggccg tgatccccag ctggcccagc cgcgccgcgt cctcaggcgc cgtcagctcc 840
agatgctcga tgcgatgccg ccggccgggc gtgcccaccg cggccagcgt gtcgattgcc 900
agccgcaccg tcgcatcgcc gatcgcatgc agcgcgcact gcaggcccgc agcgtccgcc 960
ttggccacta cggcccgcag catgtcggcc ggccacagcg gctcgcagtt cgtcggcccg 1020
tcaccatcgg cagtcgcagc agcagcagca gcatacggca gcagcagcgc cgcggtgcac 1080
gcatccacca ccccgtcgca gatgaccttg atgcccgcga tgcggaaatc cggcgatgag 1140
cgcgcattat acaccgcatg cagctcgatc gcgcggtcca cctgcgccag acactcctcc 1200
accgtcgccg ccggcgtgat aatccaatgc gccgccagcc gcagcgacac cttttcggtc 1260
tgtcgcagcg ccagcatcgt cccccacacg ttctcgtccg tcgccatctc caccaccccg 1320
gtataccccg ccgcattgta cgcgcgcacg gcactccgca caaactccat cttctcctcc 1380
gccgtcgcga cccgcgccac atgcggccac acgatattca ccgccgccgc ctcggagagt 1440
aacccgctcg gctgtccgtc ttccccgcgg tggatgaccc cgcctgccgg gtcaggcgtg 1500
tccgcgacgc cgagctcgcg cagcgcggcg gtgttgcacc atgcgctgtg caggtctttc 1560
gagtcgatga agatgggccg ggggtcgagg tcgtcgagca tgctggcgag cgcctgcccg 1620
tctgtcatgg agtgcatcca cccgcggcag aagaggcggg gggcgtgcgg gagctgtgcg 1680
gcggcggtct tgatggtaga gcggatgtcg gagagggatc tgcagtgccc gaggtcgatt 1740
ttggagaggc ctgcgccgaa caggaggaga tgcatgtgtc ttttgtcttt gtgttag 1797

<210> 19948
<211> 693
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (39)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19948

ttaaggtggc tgtatacccc ccgcggcagc gccatcctnt acgtcccccc tcgcaaccag 60
catctcatcc ggaccactct ccccacttcc tggggcttca tcccatcccc ggactccccc 120
accaccgcgc cctcgctcat gcgcagcagc ggctcgggca agtccgcctt cgaggagctc 180
ttcgagttcg tcgcgaccac cgacgacacg gcgtacctgt gtgttccggc agcgctgaaa 240
ttccgctccc aggtctgcgg cggcgaggac cgcatctacg cttacctgga gaagctggcg 300
atggaggccg gggacattgt tgccgcggcg ctgggcacgg aggtgatgca ggagcccggc 360
ttgaagcccg gagaggtcag tcagctgcgc cgctgtgcca tggcgaccgt gcggctgccg 420
tttgccgtgt ctggtagtga gcaggatccg aagacggcct cggctcgatt gacgctgcag 480
gctgcgcagg ccgcggaggt tgctggggag atccagaagg cgttggtgcg ggactatggg 540
acctttgtgc ctgtgtttgc gcacggcggg tggttgtgga cccggctgag tgcgcaggtt 600
tacttggaga agagcgattt cgagtggctt gcaggtgtgc tgaacgagct atgcaacaag 660
ctggtgaaga agtttgccga gccaaagttg tga 693

<210> 19949
<211> 189
<212> DNA
<213> A.fumigatus

<400> 19949
ttatgcgaca gacttcgcct caaaatctac cggtccttgg gcattgatat cgaggcggac 60
gaggccggca acttcagcaa ggccgttatt cgcaacagtc gcaagggaga cgtccacgtg 120
gtcaatatgg accccaagtt ctcgcgtttt ttctatgcca attacttttg gtcaaccatg 180
cagggttga 189

<210> 19950
<211> 681
<212> DNA
<213> A.fumigatus

<400> 19950
taccggtggt gcgcagcttg gacactatat tccacgggtt ggccgacacc taccggcatg 60
gccagaatca ggatcagaac cagaatcaaa accaaaatcg gaacgccacc ggtcaggaga 120
atgaaacggt cgccgacgag catcgtgcgc ggagtgagtc acccgaattc cgtgcaactg 180
gcaggctatt tgcgcgagat gcggatggtc cgcagccgat ggcaccacct ttcggcaccc 240
tcggagagta cgtcgccatt ttcgtttagt gtttatggtc catggctgac ttcctttgat 300
agtatcctcg aactgtttcg cgccgacttt gggggcggta tggaaggtgg aggagtgcgt 360
gtgatgacgg gtccgaatcc cctggccatg ctttcgactc tgctcaactt cgatcgacac 420
ggggatgcgg tgtactcgca ggaggaactg gaccgggtta tctcgcagtt gatcgaccag 480
aatctcaatc gaactggggc tcccccggct ccgcaaagcg ctattcgggc cctgccgaag 540
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<210> 19951
<211> 1857
<212> DNA
<213> A.fumigatus

<400> 19951
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<210> 19952
<211> 432
<212> DNA
<213> A.fumigatus

<400> 19952
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tcggcatcgc gcatacggag ctcgcgagat tgttgcaatg tagataggga gtcattgatg 360
cgggtgacgg cttgtttgtc cggttggata ttgaagttgc cgatggtgtg gtggatgagc 420
tgcggttgtt ag 432

<210> 19953
<211> 225
<212> DNA
<213> A.fumigatus

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tacaagctcg ggaactacgg cgaagcccgg cgatacaatg atctgctgct ggagaaggaa 180
ccagggaacc tggcaagctg ccatcctcgg ttcgctgatc gatga 225

<210> 19954
<211> 555
<212> DNA
<213> A.fumigatus

<400> 19954
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ctaccatcaa gaccgccgcc gcacagctcc cgcacgcccc ccgcctcttc tgccgcgggt 540
ggatgcactc catga 555

<210> 19955
<211> 192
<212> DNA
<213> A.fumigatus

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gttggaatcc agacgaaatt caactacgca tgggtatgcc gactgctatt ctgtttccag 180
tctaccggct ga 192

<210> 19956
<211> 633
<212> DNA
<213> A.fumigatus

<400> 19956
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ccctgggcaa atgaagaggg ctatggagga gacgacaaca catggcggcc ggggttctca 240
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catggccaga atcaggatca gaaccagaat caaaaccaaa atcggaacgc caccggtcag 480
gagaatgaaa cggtcgccga cgagcatcgt gcgcggagtg agtcacccga attccgtgca 540
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<210> 19957
<211> 480
<212> DNA
<213> A.fumigatus

<400> 19957
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tgcgtatgcc gagtttgcgg cccaccgggc gccgctggcc attgggacgg actcgccgac 180
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<210> 19958
<211> 582
<212> DNA
<213> A.fumigatus

<400> 19958
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ctagaggcgc aatttggatc gaatattgca ccgattgaac gaccgcgcat tccttctggt 180
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atgtgggggg aagggcatcc ggcagcccga gcctcaaatg gaacgcaagg caacaaggag 540
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<210> 19959
<211> 546
<212> DNA
<213> A.fumigatus

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cgggttatgt tgaaggacga ggatggtaac cttatcaatc ctaagatcaa gaacagtatg 480
tgcactgccc ctggctactt ttcgattccc cgattccttt ctccactctc gcagatcgcg 540
aattaa 546

<210> 19960
<211> 369
<212> DNA
<213> A.fumigatus

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ggtgctcctc cagctccccg aggctggaag atcggaaaga tcctgccgat ccattccccc 180
gcttacagtg gcggaggtgt tagcgataac cccctcaaag atgccatggc tgagatgcag 240
agcatgggag gaatgcctgg aatgcctcag atccccggta tgcccaatct tgctggcctg 300
atgggcgaac cgtccgccgc gagtggcagc gaaaaaaaga agaaggataa gaagaagggc 360
aaggcctga 369

<210> 19961
<211> 297
<212> DNA
<213> A.fumigatus

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cggccattct tttgttctcc tgcgccgagc agaactgcga caggtaaaac tcgtcgtgcg 180
gcgggccgcc agattactcg gaaccgcgcg agttacagtt gtcatacttg tcggaggcga 240
aaggtgaaat gcgacaaggt atgcgcctcg gttgtcgtcg cttacattgt tgtcatt 297

<210> 19962
<211> 732
<212> DNA
<213> A.fumigatus

<400> 19962
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gttgtcggta aattagccca agtcgctcct ccttcggatc aggacgatgg ccgcttaatg 240
tccggtgtct tggttcagaa tggatttgat ctgtcgttga tggcgcctga tgacctccgc 300
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gagggaaata tgatgaatga cggtgttgcc gacgcggtca tggcggtgct gctcacggtt 660
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gatgctgact ga 732

<210> 19963
<211> 303
<212> DNA
<213> A.fumigatus

<400> 19963
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ttttttttgcg ccgatattaa caacattagc gcccagcaaa atgtcacgac gcgcgcaagt 180
cgaggaggtc tacgactcag acccagaaga ggtcgctccc tccgaccccct cagcctccat 240
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tga 303

<210> 19964
<211> 258
<212> DNA
<213> A.fumigatus

<400> 19964
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ggatgcgtcg atggcatacg cggtgaccat gtccttctcg ctcctcctta taatgtgact 180
aaggacgaaa ttgatatcat cgttgagacg gcgggtaagg tgattgaaga ggttttcgtg 240
aacatcggca ttatctag 258

<210> 19965
<211> 339
<212> DNA
<213> A.fumigatus

<400> 19965
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gctgttacta accagctcaa tcagcttgcc tactgccaca ctgctttctt tggtaccgag 240
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<210> 19966
<211> 408
<212> DNA
<213> A.fumigatus

<400> 19966
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gagttccagc gagtgggacc agagacggtt tgcgccttta tcgctgagcc ggtagtcggc 360
gcggtgagta ctccacgagc aatccatcag tcatcaccgt tagcctga 408

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<210> 19967
<211> 636
<212> DNA
<213> A.fumigatus

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<210> 19968
<211> 1023
<212> DNA
<213> A.fumigatus

<400> 19968
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<210> 19969
<211> 3003
<212> DNA
<213> A.fumigatus

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taa 3003

<210> 19970
<211> 453
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (86)
<223> Identity of nucleotide sequences at the above locations are unknown.

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gaaactgacc gtgacgatag cgacggacca ttggtcgaag ctcccaatct gattctgcac 180
ggtgacacgt acttcctttt ctattccaca cattgcttta cggatcccaa gtacgacgtg 240
cgatgggcca cctcgaaatc catcacgggc ccgtatgtca agactggtca gaaactattc 300
aagaccggtg actatggact aacatcaccg ggcggaggta ccgtctgtgg atgtggtgac 360
aggatgctct tccatgcgtt ctgtgagtcc aacaagcggt gtacgtatgc tgcaaacctt 420
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<210> 19971
<211> 321
<212> DNA
<213> A.fumigatus

<400> 19971
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ggaagggctg gagaggcagg ccaaaaacgg agactcgagg aggctaagag cggcaggatc 240
acatacagac tccctacact gaaggagctc ggcatcaagc ttccagagaa tatggctgag 300
accgctgaaa acaagcaatg a 321

<210> 19972
<211> 339
<212> DNA
<213> A.fumigatus

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gctggatatt acattgtaag tcatgaagac ccttttga 339

<210> 19973

<211> 312
<212> DNA
<213> A.fumigatus

<400> 19973
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cactcaatgt acgctgttgg tgatggtcca gcagataagg agggtgtgcc tgtccagcag 240
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<210> 19974
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<212> DNA
<213> A.fumigatus

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<210> 19975
<211> 624
<212> DNA
<213> A.fumigatus

<400> 19975
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acagttcaat ctgcccctta tcagggtcac acgcaacata gcgagacaaa gaaagatgac 180
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accactcttt tgtggggtgt ctcgttgaca tgcatgacgg cagcgaacac cttcccaggc 540
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ttcattgtca gcatccgtca ttga 624

<210> 19976
<211> 1650
<212> DNA
<213> A.fumigatus

<400> 19976
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tttacattcg aaccgattcg tccaaacctt ttccgcgtga cattctcctc gcaagaccgt 180
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tctgtcaccg atggcagttc ttccaagaca attgaggtcg gcgacgtgac ggccactgtg 300
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<210> 19977
<211> 951
<212> DNA
<213> A.fumigatus

<400> 19977
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cccggaaaca ccgccgtcgg agatgtcatt gagccctgga tgtacccgga gatcactccg 180
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<210> 19978
<211> 753
<212> DNA
<213> A.fumigatus

<400> 19978
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tatatccccc tatcccaccg agtggtcgct tgtttttctc actgccctag cccgtcatcc 180
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<210> 19979
<211> 576
<212> DNA
<213> A.fumigatus

<400> 19979
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<210> 19980
<211> 2331
<212> DNA
<213> A.fumigatus

<400> 19980
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<210> 19981
<211> 1356
<212> DNA
<213> A.fumigatus

<400> 19981
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<210> 19982
<211> 636
<212> DNA
<213> A.fumigatus

<400> 19982
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<210> 19983
<211> 1245
<212> DNA
<213> A.fumigatus

<400> 19983
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<210> 19984
<211> 270
<212> DNA
<213> A.fumigatus

<400> 19984
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gagtttggac ttggtgccgc ccccgatctg ggccgtttcc ccatcctggg agatttcgac 120
gccgctcacc tggtccaggt aaattccaat cccggggtca tcccggccaa gggtgttatt 180
ggcccattcc ccccttgtt cccccaaaaa gggcagttct ccctgttggg ctttttcccc 240
acccccctct ttgacctccc agccccataa 270

<210> 19985
<211> 291
<212> DNA
<213> A.fumigatus

<400> 19985
agcactggtc ccgttgacca gccagcctct tttatcacct tcgtcccaaa gtatgacgaa 60
cttttgcgca atccacctga gcttacggat atagctgtgc ctggaaatat gcagtggtat 120
gtccttacgg ccaatgctga acggatgacc accggatatc atgtgtccgc tggagagata 180
tgctttgtcc agcatgcagt cttcggatgt ttcggggagc ctggatcgcc gcacgttgca 240

actcgcatcg gcggctcctc caaagaattg catttcagca caccagccta g 291

<210> 19986
<211> 462
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (162),(165),(166)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19986
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cccaaaaagg gcagttctcc ctgttgggct ttttccccac ccccctcttt gacctcccag 120
ccccataatc agggggggag gggggggggg gaaaaatttt tnttnnttca tccccccccc 180
cccctcccat tcttttcctc tccctccact caacctaatc cccttctttt cccttctacc 240
ccacctcagg cctccctccc ttttatcccc caccttcct ctcatttttc cccttcccct 300
tctacatcac acctcccttt tatttctcac ttccacattc ctcttttcga ttaccattcc 360
cctcttcgac aactcctcct caacataccc acggctgtcc cccgttccat atcctcccta 420
cctccccctc tcctcccttt ctcttccacg gcgatcgctg cg 462

<210> 19987
<211> 201
<212> DNA
<213> A.fumigatus

<400> 19987
atcgttggaa cgaaagttga ccagaaccac gtgaactggg tgactgcgta caatatgctg 60
accggtattc gcttcacggt gtcgagaatc aacgcaaaga tggaccggga gttgacaccc 120
gcagactttg aagccaagca taaattctct ttcgacatgt atgacgaccg tcaccttgca 180
tttcccttac ccagatcttg a 201

<210> 19988
<211> 1041
<212> DNA
<213> A.fumigatus

<400> 19988
caaatggcta acttttgcgt tgctattagt accggtaacg agctgacgcc ctctgcaaaa 60
tacgacttca aatttaagga ctatgcgccg tgggtgttcc ggcatttgcg agccaagttc 120
cgccttgacc cggccgacta tttgatgtcc ctgaccagca agtatatcct ctccgagctg 180
ggctcgccag gaaagagtgg aagcttcttc tacttctcca gggactacaa atacatcatc 240
aagactatcc accactccga acacaaactg ctacgaaaga ttcttccaga atattacaaa 300
catgtggagc agaatcctaa cacgctgata tcacaattct atggtcttca ccgggtgaag 360
atggcctacg ggcgcaagat ccactttgtg gttatgaata acctcttccc tccccaccgc 420
gacatccacc agaccttcga tctgaagggg tccactatcg gccgggacct gcgggagcag 480
gatcttgaga gaaacccgcg ggccactctg aaggatctaa actggcttcg cagaggccgt 540
cacctggagt gcgggccctc gaagcggcaa ttcttcctcg ctcagttgga acgcgatgtt 600
gagctattga aaaagctgaa gatcatggat tactctctcc tggtgggtat tcacgacctt 660
gggagaggca acgaagaaaa gcttcgcgac aagacgttgc aagtgtttca accaggaggt 720
gaccgtgaag aagagacgag tccgaacatg ctgatgcgca ctccttccaa gctggaaaac 780
gaacgcaagg cacgtgagct acggatgctc atcaaaaagg agcgtcctgt gccgcttgat 840
aaagccgctg cgaagatgcc tgaagagatt cttgatgaga gacagtatca cgtcttttat 900
gcagacgacg gagggttccg agctactcac gagaacggcc agcctggcga tgagatctat 960
tacctcggca taattgactg tctgacacat gtaagtgcat tactgcgatg caacgcagcc 1020

agtctcccat cgaggctctg a 1041

<210> 19989
<211> 354
<212> DNA
<213> A.fumigatus

<400> 19989
caatctccca tgcgaagggc tacatggatt gtctttaatc tcactctctc gaacaatttc 60
ttctcctttt attattcttt tccgttcccc caatatttcc ttgcatcaca aatattgttg 120
tatattgctt ctctcctcgc ttcgtccgct ctgctccgcg ttactcccta tttcaaagcc 180
gcccatcgtc ggactttggc aattctctgc catcctagac gcacttggaa ccttgctgcc 240
tgctacttcc tcctgcactt cattctggcg attctcagct gtccttggat ccctgttttg 300
gactcaatag tctgctggga gaagccttgt tttaatttct gtgagcagat ttga 354

<210> 19990
<211> 519
<212> DNA
<213> A.fumigatus

<400> 19990
cagtatggga ccgtgaagaa actggaaaac ttcttcaaag gactttccca tgatcgtggc 60
cagatctctc caattccgcc ggagagctat ggcgaccggt ttgttaaatt catcaagggc 120
attactatgt cgaaggagga agtcgaacga catagagaag ctcgagcgca gggcgaagca 180
tcagcagaac gaaccgattc agttgaacga acaatgcagg ctgccgagaa ggaagccgca 240
aaggacgtct cgaccacgca tcctcgaacg ctttcaacta tctgggaccc tgcggacgcc 300
aacggaccag gtccgacgtc gactctgccc atagtggacg aagccggtga gcagagcagt 360
gttggtggac acagccagca tagccgacag gggccgtcgc tcacagaaaa ggatctgccg 420
cccttgcctg gcatgggcag ctcgcaagat ggcccaaaag gaaaaggagt ttcttatagc 480
ggtcccaacg gcacattgtc acctgtagca agccgatga 519

<210> 19991
<211> 1698
<212> DNA
<213> A.fumigatus

<400> 19991
actacaagat cctcgctgcc gaccaacatg gatggctctc aggctcaggc gaatcagcct 60
atggttccgc ctcagcagca ctcgaaccta atccggacag accaggtcca gaaattacct 120
catctcaatg agcagcaaaa ggctcagcac acccagttgg tgcgcaattt ctgggagata 180
ctcaacagcc gggacccgca gagtgcggaa taccagaacg cccacatgag actcacacag 240
ctctctcaga atctgatgaa aggcatgcga atgtatcaac aaaaccgtca gcaagcactc 300
cagcagcacc aacaggctca ggcggcagct gcagccgtgc agggacagcc agttcaacgt 360
acgcagtccg ccaacccaca gtctttctca cagcttctcc cacagatcca acagaaagtg 420
aacggtcttc acttcttcct ccctcccaat atcagcaaag aacaggtgca aacatggctg 480
ccggaggcga gactacggta cggtattgcg ctgcagaaac aggagattgg acgcgtacgt 540
atcgcggaac tgcgccaaca gtttgcgcag cgacagagtg ctgggaatat gagccaggaa 600
gaggtgcagg agtttaaaaa tcggcagctc gcggcggaga aactctaccg agaaggcagc 660
gacttcctga acaaattcaa ggagcaacag gaatccttca aggcacagca acaaaaccag 720
cagctgaata gagcaggtct accaaacgcc gcgcccggtc aacctcaaca gccacagggg 780
actgcagagc aggctgccgc tgcgactggg tctgcgcctg ccgccacacc tgcgcccacc 840
gccggtgaca agcgtccagt gaatgttcct ggacccatgc accctgggca agcccccact 900
ccggcacctc acaccattaa ctctgctgta aatgcggcgc gaaatcaagc cgggcaagcg 960
gccatgcctc cctccacgac tcagccgggc caagcgccgg tcacacaagc tgcaggcacc 1020
gcacctgccg ttcccgccgc gccttcccac caaccacaac agcagcagcc gcaacctctt 1080
tcccaacagg ggactccagg cgcgcaggtc acgttcagcc agacccctaa tccggacggt 1140

tcgacgccta ctccttcagc ctcacagcca atgaccgttc agggtccacc acgtcctttg 1200
tcccatcaag ctgccatggc gcaagccgct cagaattata ccaacaacgc cgcgaacaat 1260
aacctggctc aacaaaatgt gtcgcaggca gctgccaatc ctcatgcaca tcctcagggg 1320
tatatttcca atcgcgcgtc ggaaaattca gcgcgtaaca tcaacatggc cattccaaag 1380
aacctcaatg ttcctcctcc ggagccagtc agcatggcac cagcccgacc cactttgtct 1440
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ggctacgtcc ttgaaggcga aggccagcgt gtattgagca agaagatgct tgacatcctg 1560
gtgcgccagg tcaccggcgg aggagagggt gaaggcctta cgccggacgc cgaagaggta 1620
agttctattc ttcacattag ggctgctttt cgctgtgtac gatggtcagg atatgcattt 1680
gctaaatcat cgcgatag 1698

<210> 19992
<211> 255
<212> DNA
<213> A.fumigatus

<400> 19992
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gccaaattgc gcccatcctc tacgcttgaa atccgcgaca tccaactcgt cctggaaaga 120
aactacaaca tgcgcatctc cggcttctcc accgacgatc tccgcactgt gaagaaacca 180
cagcccacgc aaggatggac tcaaaagatg tcagccgtcc aggccgccaa agttactcag 240
ggaaaggccg agtga 255

<210> 19993
<211> 405
<212> DNA
<213> A.fumigatus

<400> 19993
ccccaaggat tctacatctc tctgtccgtg aacaatcaaa gggtttttat cacaatcatg 60
gctaccaacg gcgattttac cgacgatgaa tcgcagcctg gctctcccat gttggatgcg 120
gcgaacggcc aggatgatat tgaagaacag gaacgacttg acgtggaaga gaagcccctc 180
aagtctgcga tgaagaaagg tgcagcgccc cctgctcctc agccgaagcg tccagaactc 240
cccgagcagc ccgacccaga gactctcgat ttgtcgacgc tcacacctct gtcgcccgaa 300
attattgcgc gccaggccac aatcaacatc ggtactatcg gacacgtctc acacggcaag 360
tcgactgttg tgaaggctat ctcggagtgc agactgtccg gttaa 405

<210> 19994
<211> 618
<212> DNA
<213> A.fumigatus

<400> 19994
gattcgacac ccgtttgcag ggtgctacca agtccacgaa gcaaggtgca tcagatgaga 60
tacgtcgctg ttgacccctc tgtggaagcc ggcgaggagt tacttgctgt ctctacagaa 120
gatggcagaa tcatattcta ctcaactaag aggctgcaga aggcttcaga tgacgacgaa 180
tctccaattc ctcacgctga agctgttgct gagctcggtg gcagggcagc tggctttcct 240
ggcagagtca aggatttcga gatcttgaat gtgggagggg agtccaccgc acagaagggc 300
gatcttcttg tcgtcaccgc gaacagcgag ggggttgtac gcgtgtggat gctacgcgcg 360
aatagtctcc ttcgtaatac gaaggagaat ccggaggctt ctgacaacaa gagccaagga 420
tcaaagaacc tacaggtcgg aaaactgttg aacgtctatg agacaggcaa tcggataacc 480
tgcctcaaag ccttcgtcat gctaccccca gacccgttaa cgcccgatga tttcgacgag 540
agctcgggcg acgacattga ggaggatgaa gaagaagagg aagaggagga gtccggcgaa 600
gggagtgatg aagaatga 618

<210> 19995

<211> 285
<212> DNA
<213> A.fumigatus

<400> 19995
actcgatgct ccgtgacgag ctactccgct ccaagaacga tgagatcgcg taagtatttt 60
attttttttg agcgattttt tccactgtac atgatctcct tatatcgaat tgtcgcttat 120
tttaaaattt ttttcagacg ttgtttgttg tcgcggaagc gcaaactgag cgagctctac 180
tttgcgaccg taggcttcgc gggcgcgacc gagaacgctc cgaccaacgc actctatcac 240
caaaaagaac agacgtttct tgacgccaac gacctcacta agtaa 285

<210> 19996
<211> 2967
<212> DNA
<213> A.fumigatus

<400> 19996
tatatctaca gaggtcgcta tttcaatgaa gctactcttc caccattccc cgactttgca 60
gctctcatcc cgcgccctga agaacaacat tcatctgaac cagtcgtcca aacagacgat 120
gtctcctctg tcattgcgcc taaagcggaa ggtgctgttc gaggcatcgc gcccagtttt 180
cagcagcagg agggacagac tgcacaggtg attgaacaga gattggttga agactcgctc 240
aagaaggatg atgcgcgcat ccaccagcag ccggcgctcg ctacaacttc cgaaatcccg 300
caggtcgcca agtcccctac gacgcctgcg caacctgacc aactgccgca aaaggcgagc 360
tttgcagtgc ctgataccc ccctacgagt accagccacg agtcggtgga tgccagcgtt 420
tctccggctc tgaaagaact ccccccccagc gaagtcgcac ctccgcgcgc ggtctcaaac 480
caactaccct ctgcgcaaag aaagcctgag agtcggccgt ctctagtctt ggctcagcct 540
tcggaagatc aacctctctc acccgcttcg tccgcaggcc cttattccaa caacactccg 600
gctcctgtcg ctgtctcccc tgataccagc ccggccgagg aagttactga acgagcggat 660
gaagttgcgc tgagcccgaa acgtgttggt ccagtacagt tacagccagg cttggtcccg 720
tccacgccgg atgaacagct tcagctggag gcggcgcaat ctcttcaaca aaacgcctta 780
gcaagcaagt cgatcggcga cgttacaacg gcaagcagtc tgtctaatga agtaatcaaa 840
gaggatgttg gccccacccc gtctgcggca gccgattcat taaaagagac acaagaccag 900
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gaggagtccc agccaccagc acagagtata caggaagaga cccagtctca agtgggcgct 1020
gaagttaagg tggttgcgtc aacgactccg gctggcaaga agccaacacc ggcggctgtg 1080
cttcctgctc aaccagaacg tatgacaaca cgtgtatcat ctggggccat ccgacacaag 1140
tccgtatctg agatacttgg cgagactccc aaaccatctg ccgtgcaacc tgagaaagct 1200
catgcgattg agaaacctgc tgatatggtg cgggctcctg ctagcgcctc acccgaatct 1260
acagcgaaga tgcgcttgaa agacagaaaa gcacgagaga aagagaggag caagctgtcg 1320
actgtcgttt ttcccaagca gcagcaacag caacaacagc aacaagaaaa ggatgattct 1380
ttggatattg tccgccagta tgcgggcgaa ttagctaggt tgaacgagga gcaggactat 1440
ttattcacct tgtttcagaa caaggcatat gctcctcctc gaggaacgaa tcttagcaca 1500
ctgctggctt cagctcacaa gacacttaca acttccaacc acctccttga atatcaagaa 1560
cagatggact gccgtacctt acgtcgaatc tatgccctac agaatgcgaa cagatggccg 1620
ctgcgccaat tgaagcgctc cgttgagcct cctcgacagg gaacgcattg ggacgtcctg 1680
cttgatcata tgaagtggat gcgtaccgac ttccgtgaag aacggaaatg gaagattgca 1740
gcggcaaaga gctgtgctga ctggtgcgcc gagtatgtca acagtgaccc agagcatcgt 1800
gcccttcttc gtgtgccgtg caggatacct tcgaagtttg aaaagaaaga ggcccacgca 1860
tccagcatga tctcaccgcc agaggagacc actgaggaga tgctcgttgt ctcgcagcct 1920
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atacgtcacg atatccggga cactgtggct cccgccgcaa tcttctccct tggctctgat 2040
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gattctgcct ggaagaccga attattgccc gtctcaaaat atgcttctgg taggatcaag 2220
tttcacgaaa ctgagtcacc cagaaagcgt agtagatatg attatttgca atacgattct 2280
aatccggagc acggcatgtt agacttgccg cctgaacaga ccaatgttgc gcttttcaga 2340

cctgagaata aacccatacg ggataggatc catcccggtc attccttcag gcccccaact 2400
gaatacccta tgccttccgt tggtttcttc gagtccaggc agtcctctca gtggacatat 2460
gctgaagacg acgaattgcg acgtcttgtg aaggagtatt catacaactg gtcgttgata 2520
tccagctgcc ttactccatc atcgcaattt acatcgggcg ctgagagacg gacaccctgg 2580
gaatgtttcg agcggtgggt gggattagaa gggctgcctg ccgacatgtc gaaaacacaa 2640
tatttccgcg catatcacca gaggatagaa actgcccaac gcactgtctt ggcccaacag 2700
caggctgccc agcagcagca gcaacaacaa cagcaacagc agcaggggg caacaacagt 2760
ggccaagccc agccaccgat tcgcaggcgt acaacgcaac ctgtgcgagt cgacagaaga 2820
aggtcttcaa agcatcttgc attgctagat gccatgcgaa agctggctaa gaagcgtgag 2880
acaatgcttc agaagcagca acacggtaag ctttcaatgt cactgagatt gttggattat 2940
actaaactct atctttattt cttctag 2967

<210> 19997
<211> 1155
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (784),(848)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 19997
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ccacctggac gaacccctaa cggtatacct cataatcctg gaacccccgg tatacctggc 120
gctacaccta acgggatgca taatggaatg cccaatgcat tgccgaatgg cataccgcca 180
gggatgggcg tcagccaagg ccgacctcac atgcaaggtg tgccggctgg tggaccaccc 240
atgaatggcc ccattcctcc gaatccgatg gcgatgaaga tgatgccgca aaccgggatg 300
ccacaaggtc cgggtggtcg acctggaatg ccaatgcaga catctccgga taacacccgc 360
gttatgcgcg aagcgaaccg cttgcaagaa cagcagcgta tcttgcagtc tcggcagcag 420
caaccacagc caccgcaaca tcaacaacct caggctcagc aagcacagca acaatttcac 480
aatcagcagc agttcggacc gcaaggctct cattcgccga atatgaatct tcccaatgtc 540
aacggcaccc cgaataaccc cagctatgat ggcggctatc ccagcccggg gagtggaatg 600
cagagcccat cttttccatt aatgccatgc ttcaaggcgt gttcactccg ttctcctcgg 660
atggggcagc ccaatcttct atctggcggg gttgtcccga cgatcagtag catccagagt 720
cagattcaaa ggagtaaccc ctacatgccc cccgagcaag taaacaagtt ggccacagac 780
cgantacatc agtaccagca gcagcgaatg tcccaggtgg ccatgaatgc agccgcaggt 840
aacatggnta gtgtccaggc caactatcaa gttcctcacg atggcaattt ccagtctcct 900
caacctggca tgaatggcac cccgggaatg caagttcctc agtcacaagg attctcgcct 960
atgatgcgcg tcccacaacc tgctcaacag aatcgaatgg gagtaggcaa ctcacccgcg 1020
atgaatgtcg cccttcccca gcagagccgt agcgcaacac cgcaaacaca gcgcagtgga 1080
agtgctcagg cgggccctgt accaggctca agcaagagtc ctcatccccc tcaggctcag 1140
atccctagtg gctga 1155

<210> 19998
<211> 426
<212> DNA
<213> A.fumigatus

<400> 19998
ctatcagact ctcatttaca tgacgccaag gcaaaagctc accacttcaa acacaaagtt 60
ggaaagttct tcaatgtcgt caatcccaac caccgacatg atgaggagca tgagcgggaa 120
acggacaaaa agagaactgc gattgccgag tcacataggt acaagtcctt tgctccggtt 180
agagagggca acagagtcaa gtggtatgtc gacgcgctgg actacctctg ggccgtctca 240
gtcgctttgg aggaggccaa ggaggtgatc tatattgagg attggtggct ctctccggag 300
ctgtttcttc gtagacctcc atattcgacg caagaatgga gactcgatca agtgctcaag 360

caccgcgctg aagctggcgt taaaatatat gtgattgttt acaaggaggt tcgtcggcca 420
tattga 426

<210> 19999
<211> 693
<212> DNA
<213> A.fumigatus

<400> 19999
taccaaaagt cacaactcgg ttaccatgat agtgaactgg ccattgttgt tgaggatcaa 60
gacttcatcg atagcatgat ggacggaaag ccatacagag cctcacgcct tgccgctaca 120
ttgcggcggc aactgtggcg ggagcatcta ggccttcttc cagcacaaga ctacgacgcc 180
tcgaagcacc ctaacgcaca gccacctaac gtgtgtctca atgagattct cgagggcccg 240
gagaacgact ttgtcacaga tcccttgaac gatgacttgt ggaagacatg gacagagcaa 300
gccacaacga acacggaagt atatcggatg ctcttccgcg cggatccaga tgacaacatc 360
cgcacctttg aggaatatga caatttcaga ccgcaaggcg gtatcaaaga gggtcacctg 420
ttcgatccgt accaacccgt caaggatgtc cgagagaaac tggaccagat taagggccat 480
cttgtctgga tgcccctcga tttcctgaaa gatgccgaga tggcagaacc tggtctggct 540
gttaaccaaa tcactgaggc aagtttgtta cttacacggt ttggaagata ctttttgct 600
aatcttgatg cagagcatct atacctaatc gtctgctatc tttgtcccaa tagcggagta 660
cttcgttgca atcaggattt tgataccatt tga 693

<210> 20000
<211> 192
<212> DNA
<213> A.fumigatus

<400> 20000
tgctccagaa gaagcacctg tctctgtgcc accatgcaaa aatccgaggt caagctggtc 60
acagaactca atgtcgatta cagtgacatt ggagatgcga acaaactgtt ccaaaatccc 120
ttcggcattg atgagaattg cggcgaggta gaaaccgaat ccatagtcga agtctggtct 180
tcgagaagat ga 192

<210> 20001
<211> 1356
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (39)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20001
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gagaagccca agcatatcgt ccgcagacag gtatatgagc taccgggtcc gaacccagat 120
gacgagaacg agaagttcga cgggccggaa ctatctccgc tgcctgttga tgcccctcgc 180
ttgctctgca tcctgggtga cattgatagt gatccaacaa tgtacgaacg tgcatgggag 240
gtctcaaaca acagatacgc acgcgcgcag cgttcattgg cccgccacta tctttcgttg 300
aagccccctg ctctcgaaaa ggccgaggag gcataccgca agagcctcca catcaaccgt 360
ctcaatcaca gcgcatggtt tgcacttggt tgtgtacagc ttgaacttca aaaatgggag 420
gacgccattg attcatttac acggactgtg cagctcgaag acacggacgc cgaagcatgg 480
agtaaccttg ctgctgctat cctgcgaacc gccaaaccca gcgaaaccac cgaggcggca 540
gaggaggagc accaggatgc agacgccgat gccgactcgg aaaccaaaaa agcaccacag 600
gatccctata agcgcaagcg cgaggctctc gctgcactcc accgcgccgc tcagctcaag 660
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gctacaccat tccgcgatgt ggtcacagcc cagagacggg tgattgaact tctcggctca 780
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<210> 20002
<211> 651
<212> DNA
<213> A.fumigatus

<400> 20002
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ttgaaggacg aaatattccc aggtcaagat tggaacaaca accgtattat ggatttccag 180
agcgttgcag attggcagtc aaatgaagta agcaaagcag actatggtcg aatgccatgg 240
catgatgtag cgatgggctt ggttggtgat tgcgtctatg atatcgccga gcattttgtt 300
cttcgatgga actttgtcaa gcgagataag tacaagcgtg accatggcgt cgactggctt 360
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ccttgtggac agtatattca acatcctctc aatccgctag acaccaagcc gcgagggatg 480
caaggcactg tgcggggcca gattattcga agcagtggcg attggagcag tggaattttg 540
actgagcaga gcattcaaaa tgcttactgc gagattattc gtaacgctca acatttggtg 600
tatatcgaaa accagttttt cagtaagttc gcctccgtta caatgcttta g 651

<210> 20003
<211> 498
<212> DNA
<213> A.fumigatus

<400> 20003
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acttctgctc tagaagaact ggagaaagaa gcaggagtga cgtatcatga catccagcgt 120
ggcatagccg agtctatcat gagcgacagc gtccacccgg tggttggcga agaaggcgac 180
aaacacgagg tcaattacga cgacgcagag caagagaagg aagaaaggct tgcaagattg 240
cgcagatacg aggagaagca ggaagggcgc agaagtgagc aatatcgaag caaggactct 300
gtcgcacata ctacgatgct caatggcggc aagatgtctg aggagccttg ggaaggagat 360
ccggagagtg aaaaggcaaa ctttgtccag gaagagctct acgtgcacgg taaagtgtgc 420
attgtagacg acaggattgc catctgcggc agtgcgaaca tcaacgatcg ggtaagtata 480
ccctcctata atgcttga 498

<210> 20004
<211> 333
<212> DNA
<213> A.fumigatus

<400> 20004
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tcagtatatc acaggcaaat caaagcagac atgagtactc atgcatcgca caccaacccc 120
gacgcaatga acccaaacag taccgcatcc acctccgtcg gcccctcccc accccagacc 180
cagaatggcc tgtcccgatc ggactgcttc ttttgcgcct ccgctaccac cgcattcaga 240

ctcgcccaga tctcctgccg gaactcactg atctcttctt cagtgaaggc catgataccc 300
tggccctgga gattgcgggt aactttgcgg tag 333

<210> 20005
<211> 306
<212> DNA
<213> A.fumigatus

<400> 20005
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gcaattgtcg acgcctgcgt tcgagctggc aaagagggtc ggaagttccg agtgatcata 120
gtgatgcccg ctattccagg atttgctgga gacctgagac aaagtgcagc aaccggcaca 180
cgtgcgatta tggattatca atacaaatgt attctgcgtg gggaacactc gatttttggt 240
cagatctctg ctcaaggagt tgatccaaga ggtgagttct taacctttac agaagcaaat 300
gactaa 306

<210> 20006
<211> 444
<212> DNA
<213> A.fumigatus

<400> 20006
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atcatcaccc ataattacca tcttccgcgg ctttccagaa accggttgct acgtctggtc 120
ccccttcgtc acaaaactgg aggccgtccc cgtttcagca acatccccta ccgcaccgaa 180
caaggctcta tccccaaagc tccccgtggc aaggtcccct atgtctccat ccagattggc 240
gagcagccgc cacagacgct cgcagattca accctcatca ccaaagcgct gattgagcag 300
gggtacgtag aggatctgaa tcagcgtcta tctccaacgg agcgaatgca tgacctggcg 360
ctcaaggcat tgctagagga caagttgtat ccttaccagg tacgagtcaa atcactacgc 420
acgacagtga cgaaattatc ctaa 444

<210> 20007
<211> 297
<212> DNA
<213> A.fumigatus

<400> 20007
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cgcatgatcg aggaaagcct tcatcttcgc aagagagttg tctggtacac ctcaatgctt 120
gggaagctga gcagtgtatc cgccatagtt gagaagctca tggagtacgg gaacaacaac 180
tacgcggtaa ccgaatttgt tcaaggaagc aagacgaaga ggtgggctgt ggcgtggtcg 240
tggactgatc ttcgtccgag tatggtatgc ttcagtatac cttggtctag tgtttga 297

<210> 20008
<211> 240
<212> DNA
<213> A.fumigatus

<400> 20008
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gttgacactg gttcgcgccg gttgtctccg gactccaaca tgtctcaatc caaggctggt 120
cggaggagga gatcgagcag catcatctac caggagccgc cggaatccat cgagcatacc 180
agtgatcagg ctgccctgcc gaacctcaat gctaactggg tcaatgccaa gggtatgtga 240

<210> 20009
<211> 1572

<212> DNA
<213> A.fumigatus

<400> 20009
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gctatcgcct cagggccggt ctacattccc tccccacagt accttgcagt cgcagccacg 120
tttctcgtcc acccatccac cacaagccga gccaagacag cagaggagga agaggcaccg 180
agcgcagcgc tgcggctgct ccggctcacc aacacgcttg tcggaccaat ttctgctagg 240
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gggtgggcat tcaactgctc tgttctacat ccggaacggt gggcacgatg gcagatctgg 480
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ggtgttgcgg atgacgaagc ccgtcgcgaa gtgctcgaga aaagcttgat tttccggtac 600
atcgccggcg ggagcacgcc gtatgggcgg aatcgaagaa tcctacgagc catcttcgca 660
gatggcggct cggcctccgt cagtgaattc cgccaggtgt tccacgacga actgaaaacg 720
ctcaagcgcg aggacaacaa tatcaagaag cgcgaaggcg aagtcaacat cgacaaggac 780
cagttcggcg actacctatc cgaggacgag gacgggtccg aagcaacaga ctccgcggcg 840
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tccacaaagt ag 1572

<210> 20010
<211> 246
<212> DNA
<213> A.fumigatus

<400> 20010
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ggtctttgtt ctaggctgcc atcaatagtt ccctctcacc tgggtccgaa tgagtccagt 180
gaacagcttg tggttcaagt ggaaaagcct tcgattgccg tggcgaagat ccttccttgt 240
cggtag 246

<210> 20011
<211> 198
<212> DNA
<213> A.fumigatus

<400> 20011
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gaggactacc taggatatag cgtggcctca attcccatgt gtatagccaa gggggagcca 120
aaaataacaa tccaaatcga cggacatttt ctattttgta gtaaatctac agagcagtct 180
agaacacatc caatatag 198

<210> 20012

<211> 504
<212> DNA
<213> A.fumigatus

<400> 20012
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ttctacgaca tcattcctgg cgtctcgcag gagacatcat ggactctcac aaatatcagc 180
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ccaaaattac catttgtatg tccccttcga cttgatcgcg tggtcattgc taatctggtc 480
catagtcgca ccgcctgcgg atag 504

<210> 20013
<211> 252
<212> DNA
<213> A.fumigatus

<400> 20013
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ggcgtctcag tgtttccttt tcctgttctt ttacgagcac ccattgcttg ctatattagt 120
ctattggaca gcaccgtcta cgggattgac ttttctctcc agtttcccaa ctgcgcttac 180
aacagtctcc ttatctgctg catgttcgtg gtgtgtctgg ggtttggggg taatacaata 240
aagaatactt ga 252

<210> 20014
<211> 192
<212> DNA
<213> A.fumigatus

<400> 20014
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tacctgggct tatcgcagca ctgcttgcac atccaggcgt cttcgaccct gtaccatagt 120
cgtccttcta tctggctgcg cgtgttgctg caagtgatgg ccggcgccat taagctcgat 180
gctggtttct ag 192

<210> 20015
<211> 423
<212> DNA
<213> A.fumigatus

<400> 20015
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aggaccagtt cggcgactac ctatccgagg acgaggacgg gtccgaagca acagactccg 120
cggcgccacc cccggccaga cgtccaaccc gtcaatccaa acgcatcaga cgaggcgccc 180
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tgcacggcgg tgtctccctc ctcggcggct ttccatccct cgccctccgc caacgcctcc 300
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tga 423

<210> 20016
<211> 1035
<212> DNA

<213> A.fumigatus

<400> 20016
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cagcgcagcc gcttgaacga cttggctgac tcgtcgcgcc ccaactcgtc ggatccaaac 120
ccgaatcctc gaaaaagaca acggagaaat ggcaaatctg cggtgccaga tgtgcgagac 180
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tccagctctg gttctgattc gtccgacgac gacgatagcg acagcaaatc caccacgtcc 300
gatgcagaga aacagaatac tgcacggacg aatcctcagg cacctgccat taactggaac 360
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aacaaacagg cttcttttca gttcaaggcc gtcaacgaca aattctggcg cagtcgcagt 480
gcttctgtgt ctagtgacgg tggcgatcag gatgttacgt tggttgaaaa cgagggtgac 540
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gtatgttctc gaaacattcg actgagtgtc agatatatac cccccatgac acacacggtc 1020
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<210> 20017
<211> 498
<212> DNA
<213> A.fumigatus

<400> 20017
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tgtcaacgat gtcgagaacg cggtcatgat gaagaacaat gcacctcgct tctccaaggc 120
tccgcatccg agataccttg tgatctctgt ggatcatcta gccacctgga actccagtgc 180
gatatgatgt ggaagatccc acggcaggag ctgccctcgg ggcccgtact agtctcaatt 240
tcatgctccc actgcaccag caaccgtcac cttgtcggcg actgcccgtc cctctcacgg 300
ccgatggtct catcatcatt caccctccga ggcattgacc cccacatggt gacaaacatt 360
aactccgtaa tcagcggcag gcaaggcgga ccagcccccc gaagaggcca gagcggcatg 420
caaatccggg gccgcgctga ccggccctcg gcatcctcag acagcgagga catgatgcgt 480
cttcacgcgg ggttcaag 498

<210> 20018
<211> 240
<212> DNA
<213> A.fumigatus

<400> 20018
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cgctataccc cgcaggctgc cgcagaggtc cgcacatgga ttgaggagac acttcaagag 180
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<210> 20019
<211> 1716
<212> DNA
<213> A.fumigatus

<400> 20019
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gagcgcgcca aggcggaaga ggaacgcagg tgggcagaag agaccgctcg tctgaaggag 720
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<210> 20020
<211> 237
<212> DNA
<213> A.fumigatus

<400> 20020
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gtcgagaacg cggtcatgat gaagaacaat gcacctcgct tctccaaggc tccgcatccg 180
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<210> 20021
<211> 294
<212> DNA
<213> A.fumigatus

<400> 20021
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ggcaagcaga tcgtcaacgt gccttcctac atggttcgcc ttgactctca gaagcacatc 180
gacttcgctc tcacttcccc ctacggtggt ggccgccctg gccgtgtcca gcgcaagaag 240
gccgctgccg ctgctggtgg tgacggtgag gaggctgagg aggacgagga gtaa 294

<210> 20022
<211> 375
<212> DNA
<213> A.fumigatus

<400> 20022
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ctcgatgaga aggaccccaa gcgtcttttc gaaggtaacg ctttgattcg tcgtctggtc 180
cgcattggtg tgctcgatga gtcccgcatg aagctcgatt acgtcctggc cctccgtgtc 240
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gcgttaaaaa aatga 375

<210> 20023
<211> 1197
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (304)
<223> Identity of nucleotide sequences at the above locations are unknown.

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gatgatgaag gcagacttga agacgtgaag tggtcaaaga acggcgaggg ccgcgagtgg 1140
gatcggggaa agtttgtcaa cgatgatggg catatcgatg tcaaggcttc gtggtag 1197

<210> 20024
<211> 195
<212> DNA
<213> A.fumigatus

<400> 20024
cattggcgca cagctctcac gcaatatagg gagcacaata tgatccgatt ctcgaatggc 60
agcccccaag cgctttggta tagtcagcat gcaggaggac aagcctttac atacgacgca 120
actgagaaac aaggcaagcg gccatatgca tactcggcaa aaggcacgca cgctgtttac 180
gttatggtgg ggtga 195

<210> 20025
<211> 216
<212> DNA

<213> A.fumigatus

<400> 20025
atcttgaact ttggagctac ctccgttgtc cacttgggcg caatcgccgc ttttctttct 60
tcgcccgcga tcatgccttc aaacactgga gaaatgaacg acgaactgag caacgactat 120
gttgcagaag tattagccaa ggaggcccgt gacagctcga tgaaatattc ggctcaaggc 180
atgggtgctt atttacctag aaggtatgat aactga 216

<210> 20026
<211> 360
<212> DNA
<213> A.fumigatus

<400> 20026
tcttcgagct ctgacaacga cgtagcgcct cttgtatggc tccatagcca agatccgtac 60
atgccctccg acattggaca gcaacttgtc catactacgc caatggttga ccataaacca 120
atccaagggc tccagtcacc cttgactctt gataacctcg acggcctgaa cagtctgggc 180
aacacaagcg tttacttgac atcccgggaa ggcattagcg cttctccgca gccagcgtgg 240
ttcaagggca ccgctccaga tcaacagggc aagacgaacg gcgccgtttc ctcgacaatt 300
atcattcgcg atcataacaa tgggacggtg gatgcttttt atttctactt ctatgcgtaa 360

<210> 20027
<211> 261
<212> DNA
<213> A.fumigatus

<400> 20027
ttctggtgtc ggctggaaca acaaaagttc cttcatacgg ccttaggcct taaggcctcg 60
tgtatggatc aagcggtgat ggagattcat tttacgacta tggacggtat cttacggatc 120
gtagtcactg ttctcgatgc cgttcaaata ctacctaatt atgcattacc attgagcaat 180
aggaacctcg atgcagctga catcgaaatc tcttccaagg tgatggggaa tactcacaga 240
acaacactgt ttgggctgtg a 261

<210> 20028
<211> 240
<212> DNA
<213> A.fumigatus

<400> 20028
agaatgacca accagaatcc cgctgaaaca ctggaacagc tccgacaatt ggagcaagag 60
aatggcgacc tgaagacttg tctcgcaatc atacgcataa gcgaacctat ctcttcttca 120
gatgccgaaa aatccaattc atcgccgtca aagcgtacct ctgatgtttc ggccattgat 180
aaccccactc ctgcttcccc ggaagcagat ttgacgcact acaaggtatg gataagataa 240

<210> 20029
<211> 294
<212> DNA
<213> A.fumigatus

<400> 20029
gggacatggt taattatcga cactccagta agtctgggtc taagttttaa cgtgctgtgt 60
ttactcggtt gggtcattgc catgtctggt ttagcttgcc aagaaaccac gcaatccaag 120
aagaaacagc cgcgagatat gaggtcacgt ggtatggctc tccacctttc taggcttttt 180
gaggaagatt attattatga tctgtcctgg aacccaaacc cctctctgat ccgagtgttt 240
gattttgatt ctggtgtcgg ctggaacaac aaaagttcct tcatacggcc ttag 294

<210> 20030
<211> 264
<212> DNA
<213> A.fumigatus

<400> 20030
agtaaggcag tgacttcacc actagttgag gaagccgcac tagatggcaa tcaaagcggt 60
gtcccttgga aattgtctga taagcttttg tttacttttc cgttatctac cagccaacac 120
gcagtcaagg gtatccgttc tgaggataac caagattatc aggcaaagaa atcttttaat 180
attccaactc agggcttcga acataggact cacacatatc gctgccatac gtacctcatt 240
ttgaagagac cgcctagaga atga 264

<210> 20031
<211> 201
<212> DNA
<213> A.fumigatus

<400> 20031
gaacatcgtc tcgatgaagg aatattgccc ggttatgagt acagtgtttt ccaggcaaca 60
caggacggaa cgagaaccga cttcgagaag ctagatacag agggggggat tgccactcgg 120
gcccgagccg tcgttttaca ggccgtccga tccactacca tggctcgtga tgttcgatgg 180
gacgtcctag tatgtcgcta g 201

<210> 20032
<211> 444
<212> DNA
<213> A.fumigatus

<400> 20032
gacaaagaac cgacagcacc cgcagagccc aatgtctcgc aatcccttca atcctccgat 60
cctgccaaga gcgaagcgaa gcaagagacg gatgagatga cggagatcct ggagcgtctc 120
aacttagctg ctgataacaa ctgtgtcttc tcgatcagcg atgagacaca agagctccta 180
cgcaagttca cactcatctt caaggacctc ataaatggcg tacccaccgc ttaccacgac 240
ttggagatgc tccttagcaa tggcaacaag cagctacagc agacatactc gcaacttcca 300
ggctttcttc agaaactggt tgagaaactc ccggagagat ggaccgagac attggcgccg 360
gaggttctcg cagcggctag cgagagggcc agccgaagcg gcctcaatgt tgagaatgta 420
ggcaaaagcg gctgccgctg ctaa 444

<210> 20033
<211> 1308
<212> DNA
<213> A.fumigatus

<400> 20033
tccgctcata acggatatca aactttgtca acacctgggc cagtgaaacc caaagcccaa 60
tacaacaaca acaacataag actggacgag ccccttcaat tgatcacaaa caattccatt 120
gttatcaacg caatgacaca aactaaatct cacaaatcac caaagggcgc tatcaaagat 180
agccgtgctc tcaacatcat gaagcacctg gaccccaagt cttcgagctc gtcctcacgg 240
cggtccagca agtctctccc tctcagctcc tttactactg accataaacg aagagcttcg 300
agctcgtcga tctccagcgt ttcctcagtc tcatctatcg aagcccttag tgacgaggcc 360
aatgaatcag aggaggacgc tgatgatgaa aaggaacagc cagctgttcg cggcccgtct 420
tacggtaggc gtgacaaggg ccgtaagtcg ggcatgaagc ctacgggccg gaaaagggtg 480
aggctctccg acgatgatgg ctatgacggg caaagaagca gcgatgaaag tgactcagat 540
gggagctccg acgatgtata cgctgccgtg gacgatataa gcgacggaga cgatgaagat 600
caggatgttg aaatattgga agaactcctt attgtcgagt cagaggatga gcacgccgtc 660
gatgacatct tcaagacttc cactgtgtct gagcttgact tggccggtac caatagtttt 720

gaagatcaca tgctgctgtc tgctgcctcg ttctttgacg aggatcagct ctacagtgct 780
atggaaacct ttggcgagac tgacttcgcc agcgaggcgg ctgcggagac gcccatgcct 840
aggcgtgtcc attttgaaga ggattctgat tcctcgtcgg aaagcgactc gcatacagag 900
gatgagatcc cgagtgattt cttgcaacag gacagtctcg atcctcaact acgtcgtatg 960
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gagtcggact atggccattc gaacatttac cacgtcgagt ctgacgccgt ttccgaggag 1080
tccgagtcga gtggctatga gagtatgcag tgtatctgga ctttcccctt gatcttccta 1140
ctgacctgtt tgaagccgat gatggcgaga ccacagatga agaccttcca ccaccggcaa 1200
caattaccca cccccgttcc attctgcgcc gcgattcctc tgcctctctg cctcccgccg 1260
acgagaacaa aagccaaccc cctactcgtc ggcgaggtcc aatcttag 1308

<210> 20034
<211> 291
<212> DNA
<213> A.fumigatus

<400> 20034
cggccttccg tcgcaaccac aacagatatc aagccctcct acggttgccc cagcaccgag 60
aattcatgcc tgccaattct ccctctcggc ctgctagcgt cttccgccat gccagacatg 120
cagaccagcg cacgcctact cgaaaacgca aggctagcgg atatgccggc ggcgaggctg 180
tccgacgaaa gctcatggat gcccaccggc gcactcaaat tcctttctaa atctagtgat 240
gctacatgtt cagccacaac cccttacgga cgctttgaaa ggattggatg a 291

<210> 20035
<211> 1032
<212> DNA
<213> A.fumigatus

<400> 20035
gagtatgcag tgtatctgga ctttcccctt gatcttccta ctgacctgtt tgaagccgat 60
gatggcgaga ccacagatga agaccttcca ccaccggcaa caattaccca cccccgttcc 120
attctgcgcc gcgattcctc tgcctctctg cctcccgccg acgagaacaa aagccaaccc 180
cctactcgtc ggcgaggtcc aatcttaggt acttttgttg cagacccccа caagccagtg 240
gccttggtcg actgtacggg gaaacatctt gtgatcattc cagcctatgc ctcgtcccgc 300
catgactggc tcgagtctgc caccaccagc atttgcggca ctgccaacaa tagcccacgt 360
gccactacta tgcacctgat cgacgagagc gacacggatg ccctggcctc gccgaaccgt 420
cacgacctta gtccgatgtt ggcatcgagt gctaatctaa tgatgacggc ccttggaaac 480
gacattgccc cgggtggaca agttatgggt cctccggagg cattttaccc atctcgtgat 540
tttgctattg atagttcctt tgaggatgat gacgatgatg atccggaagc ctccttgaat 600
gtcgaggatt tcatagactt tggagacggc tcctcagacg aggagatggg caaggcatct 660
gatgaagatg cgattgcttc gccaatggcc actgcgtcca tgacagtcgt atccggtact 720
cctaccccca accgcggagg ggatgtacaa caaagcaaca gtgctgaacg cttcctgaat 780
catctggatc gtggcattgt gacggccttc cgtcgcaacc acaacagata tcaagccctc 840
ctacggttgc cccagcaccg agaattcatg cctgccaatt ctccctctcg gcctgctagc 900
gtcttccgcc atgccagaca tgcagaccag cgcacgccta ctcgaaaacg caaggctagc 960
ggatatgccg gcggcgaggc tgtccgacga aagctcatgg atgcccaccg gcgcactcaa 1020
attcctttct aa 1032

<210> 20036
<211> 195
<212> DNA
<213> A.fumigatus

<400> 20036
tccggatctc cgtctccccт cagaccggcc agcaccgcta cttgggtgtc gacctcttca 60
cccgtcagct gcaggaggag tccagcttcg tctccaaccc ctccccctcg gttgtcgttc 120

agaccatgct cggtcccgtc tacaagacct accgcattct ggacctccac gaggatggca 180
ccatcaccgc catga 195

<210> 20037
<211> 201
<212> DNA
<213> A.fumigatus

<400> 20037
ctgcccccac tctcggcgag tccccgccga tatcgtgtga ttgccctcgt cgtggagagt 60
ctgccccatt cgtatctcgg tctctcgtat attgattacg tccgaccctt ccaccacgtc 120
gcgcaggtgg gcgtccagat ttgcgggttg acggacggga gggagcgggt tccggagcag 180
gtgcagcggt ctccgggcta g 201

<210> 20038
<211> 2352
<212> DNA
<213> A.fumigatus

<400> 20038
aaaccccgac ctgctctccc ttcttttggt agtataagag gacgccgaga ggacgaacct 60
gagcccgccc agccggactt cagtgacaat gaatctaccg cctcgtctgg gttcgatgca 120
gtggtatccg gctggtctgt cccaaacgac catcctgctc aaggcatgtc ccacccttcc 180
gtaacaaatc atccatctgg cacagaagtc gatcgcattg ccctcactaa atcctctgaa 240
ggctctggcg accaaacgaa tattgcactt cgacaagatg gtgacttagt tcatgagctg 300
gtgtctcaag cttctccggc tctgaaaccg tcagtagcgg atgcaaactt gatgcgaggg 360
caggaaccat tcataactcc agatgtggag ttagcactac agggcatggc ggcccaaaca 420
acctcacctg gtgctgaaaa aggacgttca agccttgaga tatacagagt tcccggtggt 480
ttcccgcgaa cctcgttaga actcgatccc aaagctgcca gtaaaaggaa gggtaagagg 540
agatcacgtg gcaagtctat cgacgaatat atgccaaatg acaaagagag cggcgacgag 600
tcaggtgaaa gtgtttacag cgatgccgag gagggcgtcg attttgatgg ctttggctca 660
atcaatgcta tcgtggatgc gcggatagcg caaggcaaag acggccggcc tgtatatttt 720
ctcctcaaca acgcattctc caaagatgac acacgcggat tcggggctat gtccaccaat 780
ggagcggcga acaagctcga agtgtcaagt caggccgatt gcgtaacaac tcctgcgcaa 840
atgcaacctg cttactctcc ctcctctgca caagcagcgt ctacacgctc tactgttcag 900
gcgcagacga ccgccaaaga catacactcg tccccacgcc cgacccaagc agaaaggcct 960
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ttacacggcc tatcaggcaa cggcagctct gctttacatc gagccgatac tgagcgggcc 1080
aaaaagaggc cagtgtcatt cgggccggtc atccaaaagg agatcgactt aggcccttct 1140
agcgagagac tcataaacgg cagaacgccc tatttgcctc aaaggaggat gtccaatgga 1200
agcgactcat ctagcagttt cgtaaggtcc acgcgccgtg tcaaaaaggg tggacagcat 1260
accatgcgtc gcaccatgcg gggaggccct ccgatccgca ccttgccacc gtctcccggc 1320
cgggtgtcat cacccgccat agaaagtcgg cctctttctt cggggtcggt cacaggcacc 1380
atgcgcacta cattgcggag tggacctaag aacgacaaga ctccgagcat cttctctaac 1440
aggtctgcga aattgaaggt caccaagaca gccacacctc gtttcgtatc acgattccca 1500
gattcggatg atgaagatgc tgatttccgg cagcgaaaac ttcaacgtcg atacgataat 1560
tccagtgacg atgagcaaga ccgcgtgatg cgcggtctac gcccggttcg cggcattcct 1620
cgacggcagg gaacaaatga cggcgattcg acagaactgg aagatagctc tgagaacgag 1680
aggccggcca cccctgcacc agcagctgtc tccaagaaac ctgatcttcc ttcgcacgat 1740
ccaggacttg ctgcagtggc caggtcccgt ggaatgacag aggcggagct ggatgagttc 1800
ctccaccggc cggcaaaggg gcgagtttct gggattctgg gccggtttac tttgaagaaa 1860
tccaggccac ccatggaaca cagagcttcc aagtccaacc cggaggacct tgctcacatg 1920
cgggacggga atttgctcaa tcccggtagg ggagcaacgg tcacaacagt tactgccaac 1980
cactccggga cttccccttc gaagctcacc aagggaggct tgaagaaacc gaacgagaac 2040
agctggccaa tggactctgg gcgcaaagtg tcagacgccg cagcggatgc tgaaactgtg 2100
gcggaacagc acccagtagc gacggatgca tctggagacg gaagtgcatc tattgcccgc 2160

catagtgagc cctttgcaga ggacagcgca attaatatgc agagctccga agccgcacct 2220
ccgcgcgagg aacggcaccc tggtaacagc aatggcaaca ataacgtcag cgcaaaggat 2280
atcgtcttcc cacagggaag gcgaaagaaa cgatttcctc gtcttcgaaa ggcattcggc 2340
atgcgcagct aa 2352

<210> 20039
<211> 1101
<212> DNA
<213> A.fumigatus

<400> 20039
taccatctaa cattctcccc cgttcccacc cccagatacc gtgaatccac ttctcgctac 60
gaacctttac ctcccaagcc cgtctacgac caggcccttg agtcccagct tgacatcact 120
gagcgagagt atcgtcgccg taccgaccct acttacgacg tcaacctttc gtacggtcgt 180
caccaagctc cagtagactc ttaccaagcc taccagcccc aacagacttc cgacgtctct 240
ctccatcggt ctaagaccga gatcgacgtc tcttacgaca aggcctacac ccctaagcct 300
ctcgaaacac gtaagggaga ctccttcagc cgcagcgagc ttacagtaga gtctgtccct 360
tctcgtcctt cctccgcctc ttcaatctct caagtcaagg tcctcaagcc ttacaccgct 420
atcgaccaac cccctgctcg caagatgggt tactacgacg acgacggtaa ctaccactcc 480
ttccgccgtg gtgtggagcg tgctgtcgac cgcatcacgc atccattcca ccaccaccat 540
catcaccacg atcgtgagga agtagtcatc gctgacgaac gtggcccagt tcgttaccgt 600
gatggcgtcc gcgaggatgt tcgcatcgtc gagccccgcg caagcaagac cactgcagaa 660
tccgtcccca tcccctgcca cttcatccgc atcggcgaca tcctgattct ccagggtcgc 720
ccctgccagg tgatccggat ctccgtctcc cctcagaccg gccagcaccg ctacttgggt 780
gtcgacctct tcacccgtca gctgcaggag gagtccagct tcgtctccaa cccctccccc 840
tcggttgtcg ttcagaccat gctcggtccc gtctacaaga cctaccgcat tctggacctc 900
cacgaggatg gcaccatcac cgccatgacc gagaccggtg atgtcaagca ggccctcccc 960
gtcgtcaccc agggtcagct tttccgcaag attcgcgatg ctttctctga gggccgcggt 1020
agcgtccgtg ctcttgtcat caacgatggg gggcgtgagc tcgtcgttga ctacaaggtc 1080
atccacggtt cccgtctgta a 1101

<210> 20040
<211> 369
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (238),(240),(268),(270),(271)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20040
atactcacgc acctcaaccg caatgcttct acatggaatc gtgtctcaac tgtatggccg 60
tcctgcttac actcttacag acaatattca tcgcagtacc tcccagtcgc cccagtccaa 120
tcgtcccctg cgacctcccg tgactcgtcc cgtgataatt cgcgacgggc gaaagactct 180
aattcacgac agagcgagtc cattgccaac cctaaacgca gatcaaccat gaatagtngn 240
gatgcggctt atgacgaaga ggagcagntn nggcgagcga tcgaagagag caaggaggat 300
actcagcccc ctgcagagga catggctctc cgacgaggca agcggagtcg aagcgacagc 360
gaagcgtga 369

<210> 20041
<211> 237
<212> DNA
<213> A.fumigatus

<220>

<221> unsure
<222> (7),(8),(23),(25)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20041
aattccnnca ctggagcggc acntntgcag ccccgtggtg aagacgataa acaggcgacg 60
gagtatctgg agctgagtta tacatcccat ctgcaggcgg acagaatcag caacgaatct 120
agctggcagt ggtcttctct cctctccaag aactccccat ccacctggtg ctggaccggc 180
atgatgagac gtccagaaga gaagacatcc ttgatgagag gaacatactc aacgtag 237

<210> 20042
<211> 729
<212> DNA
<213> A.fumigatus

<400> 20042
gattcgtccc attgtcagaa tcattgtgct ccatttgctt cacggtgctc caccatgact 60
cctcgtcgct cttctcgtgc ccgcacctcc caaccctcgc ccgccatcct tcagcataca 120
aactcctcca gctcgtcgaa ttccttggct cgcgaaagaa gcactcggtc gaaccataaa 180
atttcctcgc ctcagagatc tttaacccaa cggtctcagt ccattgatga tgcggacagc 240
gccacaagga acgactaccc acaaacgcgg cagcgccagc gctctcgagg agatgatgac 300
catgtgagat tgaatgggga ggaagaggat gaggatgaag acggagaggg tgacgaagaa 360
gaagagatta ctagatgtct ttgtgggcag caagactacc caggcttgcc tccctctcgg 420
cgggaggctc tcggtcgcaa cgggccgact gttgggttca aggatcaaca tgcgttgaat 480
ctttctacag attcatcgga cctgatgtcc gacgatatcg gtagcatgtt catccagtgt 540
gattcttgca aagtttggca acacggtggc tgtgtgggaa ttatggatga agcgatgagc 600
cccgacgagt acttctgtga ggagtgtcgg aaagatctcc acaaaattaa gaatgagtcc 660
aacgggtatg tttcttcaaa cctctttttt actcttatct caagaatttc cccttctctg 720
atttactga 729

<210> 20043
<211> 1170
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (14),(16),(17)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20043
cgaagaggag cagntnnggc gagcgatcga agagagcaag gaggatactc agccccctgc 60
agaggacatg gctctccgac gaggcaagcg gagtcgaagc gacagcgaag cgtgagtttg 120
atgacggccc aagtaacatt ggtttttttgt gctgctgctg acccgttttc cccgcctagt 180
cacaaacagg tgacgaagcg ccagcgtaca agttcccctt caccaagcgc tatctcgaaa 240
ccagagaaca cagaatctca acctgcatca gaagatgagt tgaagacgaa ggtaaatggc 300
aacggcacaa aaagctctag ggtggcaccg cggggtcatc gtgaaaagcc cgtcaaagaa 360
acagaagaac ccgaaacaga cctctcggag attgcgagcc gcaagagggg aaagttcgag 420
aggcgaaatg gtgaaggtaa aagccccgaa gttatcttgg gattactcgt tctaacacat 480
ttacaagaag cagatgccga ccgtgagatg gcatcgccga ctaaagccac tgcggaagac 540
cctgagcctc ctcaaactag cccggagacc gctgcacctg ctccggaacc cgctccctcc 600
cgtccgtcaa cccgcaaatc tggacgccca cctgcgcgac gtggtggaag ggtcggacgt 660
aatcaatata cgagagaccg agatacgaat ggggcagact ctccacgacg agggcaatca 720
cacgatatcg gcggggactc gccgagagtg ggggcagtca acggagcgca gtacaatgta 780
gattctggaa aaccgagcag gccccgctac atgaaccctc aacggacaac catgaacgag 840
atgaagagac gagttgccgg aatccttgaa ttcatctccc ggatgcaggt cgagatggct 900

gttgccggcg aaacttccac ccctcccggc aatggagacc aaccaaatgg ctctctcaca 960
aaggccacga tggatcaagt cgagactgca ttagtttcga ataccaacga agtggagtcg 1020
gggacatcaa gtgttgatag cgaaacagca tctggtcagg gtcccaagga gaaggagttc 1080
aaagatctga gcagcgtcga aatgatggat gtcctcacgc gccatctcct aaaatggcaa 1140
caggaatatg gcaaattcgg ggaacggtga 1170

<210> 20044
<211> 183
<212> DNA
<213> A.fumigatus

<400> 20044
atcttgctca acgcatcatt tttatctctg cgaccccgaa tttcgacagt tttcaatatg 60
cccggcggaa agggaaagtc tgttggcgga aaggctggtg cgaaggatgc tgcggggaaa 120
acccagaagt ctcacagcgc aaaggcgggt ttgcaggtta gtatatcttg tgtttctcag 180
taa 183

<210> 20045
<211> 210
<212> DNA
<213> A.fumigatus

<400> 20045
ctccaggacc gcgattggta tggtaccggc gacaacgtac aaacgtcgac gaaatattct 60
gttgcggatt accgtcgaac ttggtgtcat gcaatgacag tcgagtggaa gacaaactcc 120
cgaggtggtt atattgtagc gggcgcagga gtccagctgg gcaacacaac cgactggtct 180
agcttgaaaa tatttcgtga tcgctggtaa 210

<210> 20046
<211> 321
<212> DNA
<213> A.fumigatus

<400> 20046
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ctgcagctcg ccattcgtgg tgacgaggag ctggatactt tgatccgcgc caccattgct 240
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<210> 20047
<211> 660
<212> DNA
<213> A.fumigatus

<400> 20047
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gaaaccacag ttccctcgga gggagaggac gagttgattc cgaccgcgat cgttatcaag 180
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gctgcctcgc agcttcaaac tcagagttcc atgtcgtctc tcacgtccca catccctgca 540

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<210> 20048
<211> 1377
<212> DNA
<213> A.fumigatus

<400> 20048
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cagcctagag gccccgtgcc tgaaaaaggc tcgggattcc gccgatcgaa cggacatcaa 1320
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<210> 20049
<211> 336
<212> DNA
<213> A.fumigatus

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ctggttttcc tcttcttcat cggtttcatg acccctgatg taagagaccc gatgttcgag 180
atggctgcta tattcgctcg aggaatcatt acttgctttg ttttcgtgat tggccacgct 240
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aaccgggctg tcctggcctt tcaattgacc gtctag 336

<210> 20050
<211> 1953
<212> DNA
<213> A.fumigatus

<400> 20050
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tggtccaatt caacggcaaa cttatttctg ggcggtgttg gggtgcggaa atcatggatg 180
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gccattgcca accaacctaa aagtcggccg caaggcatac aagacccccc ttcatcctcc 360
gtcacaatcg tcccgcggag tcagaagagc caaaaagata ataatgaggt cgccttcact 420
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<210> 20051
<211> 3018
<212> DNA
<213> A.fumigatus

<400> 20051
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cccaaaccgg cagcggagga ccagctctcg tctgaattgg ttgcctcgcc caagagcgga 360
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cctcccaaga catctcgtac cgtacaattc accaaaccag cggtacatta cttccaagtg 2640
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<210> 20052
<211> 237
<212> DNA
<213> A.fumigatus

<400> 20052
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tcccttaccg tgcctctgtg gcaatatcac tatggaaaca gccctttcaa tgcactttca 120
aaggtacctg cagagggatc tcgggcaaat acaaggtatg agactaatat ccatacgccg 180
aaggaaatag acagctgcat taagtatgtc ctttatatag acggagtatc ggggtag 237

<210> 20053
<211> 1485
<212> DNA
<213> A.fumigatus

<400> 20053
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aagcgtggcg aggaggagga ggaggaggag gagcagaatg ggtctgagtc atccgaggaa 180
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gaagcacgca agaagttaag agaggagaag aaagcacaga agaaagccgc tcagaaagaa 360
aagaagaagg ccaaggaagc tttaaagaaa gacaaaaaaa gtgaaaagtc cgagtcgaag 420

cctgcgagcg ataaaggaga agagcagaag ccctccaagg tagaaaacag cgatgatgag 480
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gggtttgagg gaagcttcaa agccaaggtg ggtggaaaga aataa 1485

<210> 20054
<211> 525
<212> DNA
<213> A.fumigatus

<400> 20054
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gtcaggactc ctgctgcctt ccagatccgt agctctcctg ttgctcgtcc tgctcaattc 180
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aacttctttt cccttgctct cagtggtcca tcggacggaa cagccaaaat tttaccaaca 360
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aaggttcgtg gccaccgttt atgccagctg atgcaatggg ccggctaccc cttccatctt 480
caaactttca agaaagcaat gatttgtcat atggacaaag tctaa 525

<210> 20055
<211> 549
<212> DNA
<213> A.fumigatus

<400> 20055
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ttcctcctct ttgacatggc cacacaccca gtcgccgacg gaggcgccaa agatgatctt 180
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<210> 20056
<211> 210
<212> DNA
<213> A.fumigatus

<400> 20056
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agtggtaagt acactcgaac agtgcctagc gaatcgctca tccaagttca tctacttatt 120
ctctcaacag ttgacaaggc tgttgagtac atccttgccc agcctgatgg taagtttatc 180
tcgtgcgagt acaagaatcc aggatattga 210

<210> 20057
<211> 441
<212> DNA
<213> A.fumigatus

<400> 20057
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gagcgaagca aacagcccaa attgaccctg atggaggaag tgctgttgct ggggttgaag 360
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<210> 20058
<211> 282
<212> DNA
<213> A.fumigatus

<400> 20058
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ctcgcagatc gcgtaattga agtcatcgat gatacattga ctggtgaggt cttgctggac 180
gaggcattga agatgatgaa atcgagtgag aagatgagcg tgaactcgtg gattgacctg 240
atgagcggtg cgtgcaagca ctcctggtca ctgaagttct ga 282

<210> 20059
<211> 1185
<212> DNA
<213> A.fumigatus

<400> 20059
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ctaaccgccg tcgaccccac gccggctcag aacgggcgga ccgagcaaga tacccagacc 960

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<210> 20060
<211> 189
<212> DNA
<213> A.fumigatus

<400> 20060
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tccaattga 189

<210> 20061
<211> 396
<212> DNA
<213> A.fumigatus

<400> 20061
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ttttctctcc tttctgatct gcttccctac aactgtcgca atggcctcct cgacatctgt 120
tgcgaggctg gtcgcctacc gtcgccctac tccctacctg tgggcctctt ctctccgtct 180
ttcgtcctct gggttcaatc gcaacctttt tcctcctcgg tgtcgagagc tgctacacca 240
gctggtcctc ctcagcctgg attccgttta cctgcgccaa ggaaatggga ccaggatccc 300
gagtcctcgc tagacaaggc cagcaagtac ttcctcatgg ctgaattatt ccggggcatg 360
tacgtggttc tggagcagtt tttcagacca ccgtaa 396

<210> 20062
<211> 474
<212> DNA
<213> A.fumigatus

<400> 20062
gaccggtttt cacattatag ttatactatc tactacccct tcgagaaggg tcccatctcc 60
ccccgcttcc gtggcgaaca tgctctgcgc cgctatccca ctggtgagga gcgttgcatc 120
gcttgcaagc tctgcgaggc catttgcccc gctcaggcta ttaccatcga ggccgaggaa 180
cgcgaggacg gaagtcgacg gacaaccaga tatgacattg atatgaccaa gtgcatctac 240
tgtggttact gccaggagag ttgccctgtt gatgctattg tcgagagtaa gttgatccga 300
caggttgatc agtatgaccc cacagctgac aggatacacg cagcttccaa cgcggaatac 360
gccactgaga cccgagaaga gttgctttac aacaaggaga agcttctggc caacggtgac 420
aagtgggagc cagagattgc tgcagccgct agagccgatg ccccataccg gtag 474

<210> 20063
<211> 882
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1),(2),(3),(6),(7)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20063

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ccgttcttgt accaaacagc accagcgcat acggtggtca tcgagatccc gttgtcagac 120
gcctccatac atctccatca aattggtccc acggacagca atggtatttg cagccagact 180
gtgaattttg gttcgcgcca tcttgcagac ggtaccagaa tacggtcgta ccttcggggt 240
tgggagggcg aggtgtccat ggagacactc ttcgctggtc cggaaggttg gcttctgata 300
tccgacatag acgacactat caaatataca atgacttctg aacccacggg catcttacgg 360
actacttttg tcgagcctgc gcgtcccatt caaggaatgc ctcaattcta cttccatata 420
cagagacagc tagtaccaac ctgcttctat ctatcagcgt caccatacaa tctatatcct 480
tttctccgcg agttcatcta cacctggttc actccaggaa cactcatgct tcgggagtct 540
tcctggatgg atgtcggttc gttgattcga tcctttacta cagacaccat ggagtataaa 600
gtgaacaaca tggagaagtt gtaccagtct tttcctgaga gacgtgtgct ctgcattggt 660
gactccacgc agacggatcc ggaggcctat gcagagatct acagacggca cccgacctgg 720
gtgaaagcga ttctgatccg taaagtcaca aacgtcccac acttggaagt gaagaattct 780
ccagagcgat tcaagactgc ttttaaaggg gtcccggaaa gtgtatggac agtattcgaa 840
gagcctaaag aagtatatca tgtcgtggac ccactttctt ag 882

<210> 20064
<211> 705
<212> DNA
<213> A.fumigatus

<400> 20064
gttcaaagtg gaggatgccg tcttcggact gatcagtcac agccgagacg gcgccgcagc 60
cgattacgtc ctcgcaacgg aaaacgagct cgcattcaag cccaggaaca tcagcgccgc 120
cgaggcggcg acgatcccac tacccgccct caccgcatgg caagccctct tcacctacgg 180
caaattgaac cccgccgaca cgggccatgt tcgcggtggc ctgcgcgtgc tcgtcaccaa 240
cgcccgcaac agcgagttcg gcatccaggc gcttcagctg ctgagggcct cgtccttgtt 300
cccgcactac cgcccctgga tctgcacaac ctgcgacaac gaagaacagg ggacaacact 360
ccgcgaccaa ttccaggtcg acgagtacat tgtcgcggcc ctcccgttgc cgcccgactg 420
ggacctggcc acaacgttca agcagaagca gtgggagccc gtggatatcg tcatcgactg 480
cgcaggcgaa gacatgttcc agcaagccca ctcaccagca gttgtcaagg aagatggcgc 540
cgtcctaacc gccgtcgacc ccacgccggc tcagaacggg cggaccgagc aagataccca 600
gaccagcaac ggctcgaaga agaaaggccc gttgagccgg tttatctctg tcgagccgga 660
tgggaaggcg ctcgcgcaca tcgccacgtt agtcgaggaa catag 705

<210> 20065
<211> 1056
<212> DNA
<213> A.fumigatus

<400> 20065
gatcttcgac atcgcagcaa cgccgcgaag acaatgccgc cgaaaaaccc cctctcacct 60
ccgacgaaac ccttcttcaa atcccagccc gtccgccacg atggccaaca ggcccctccg 120
ccggtcgtgc agtacaacct gaaccagctc agcagcacca gcacctctgc cgccaacggt 180
gagcgaatcc tgatcctcac gccgatggcc cgcttcgtgc cagagtactg ggacaacgtg 240
gtgaaactga cctacccgca cgagcttatc tcgatcgggt tcatcatccc gaagaataaa 300
gaaggcaacg cagccctagc cgcactagaa gccgccatcg cgaagacaca gtccggcccc 360
atcgacaaac ggttcgcgag catctccatc ctccgccagg acttcgagcc gcccctgcag 420
tcgcaggacg agaaggagcg gcacaagatt tcgaaccaga aggcgcgccg cgagtcgatg 480
agccgcgctc gcaacagtct gctgtttacg acgctcggcc ccgctacggc ttgggttctc 540
tggctcgatg cggatatcgt cgagacgccg ccgacgctga tccaggatct caccgcgcac 600
gatcaccccg tcctcgtccc taactgctac cagcggtact acaactccga gaagaagaag 660
atggatgtcc ggccgtatga ctacaactcg tggatcgata gtagtacggc gcagagcatg 720
gcggcggaga tgggcccaga tgagatcctc ctggagggct acgccgagat gccgacctac 780
cgcacgctga tggctcatct agccgataca gctaatccga atccgaagaa agtgatcgag 840
ctggacggcg tgggcggcac agcgctcatg gtcaaggcgg aggtgcatcg cgacggcgcg 900

atgttccctg ccttcccttt ctaccacctg gtcgaaacgg agggcttcgc gaagatggcg 960
aagcggctag ggtactctgt ttatgggctg ccagattatt ttgtaagccg caccttttc 1020
tttttctttt tctttttctt cttcttcttt ggatga 1056

<210> 20066
<211> 615
<212> DNA
<213> A.fumigatus

<400> 20066
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ggactcgttc acaaactcaa tgctccgact ggaggtagcg aaaaaaagcc gaccaaagat 120
ggccgcatcg aggagctgcc cgaggatcct ctccacatca ggagcagtgc caaagcgtcg 180
gcaaagcagg cagccatggg cgagactagg gtagaacgcg atccggaaac aggcaaaatt 240
atccgagtga ttcgtgacga agaggagatt gaaattgctg gccgcaaagt caaaccctcg 300
aatccgctca acgacccact gaacgagttg tctgaagatg aggcagcccg gcaacccgct 360
tcgcaaagaa ccaatgccaa gagcgctgtt gttcaacagc tggaacgtca ggcggaccaa 420
gaaggaaagg ccgtcaaggc gaaaaagccc cggcatcaga gcaagcggga ggaggaatgg 480
atcatgaggt tgatcgagcg tcatggagag aattacagcg ccatggctcg tgataggaag 540
ttgaatccta tgcagcagag cgagggtgat ttgaaacgga ggattcgcaa gtggaaggcg 600
aaccactctt catag 615

<210> 20067
<211> 462
<212> DNA
<213> A.fumigatus

<400> 20067
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gaatctcctc ctcggactcg ggatcatggt cggcttcttc accttcgtgg ccatggacaa 120
agctctccgc attgcaacat gatgcgaaag gcatgcccac tcacactcgc acacagacac 180
cgacagctct tcccacggca caaccaccag ctccaccacc agcaccgcca acaccgagct 240
acggaagcgc aaatccactc ccgccaccaa gaaagaacca gaagacgaga aagacatcaa 300
ccccagcgtc aaactaggcg gctacctcaa cctcatcgcc gacttcaccc acaacatcac 360
cgacggcctg gcaatgtcct cctccttcta cgcctccccc accatcggcg caaccacaac 420
cgttgccgtc ttcttccacg aaatccccca cgaagtcggt ga 462

<210> 20068
<211> 1455
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1177),(1222),(1227)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20068
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catgctacgg aaatattcgc tcatttgatc ctagacttcg cgactccaat cttgttgcag 120
caactccttc aagccatgca ggacatgagc tcaggaaaac gtcctgccat gacctatgcg 180
ctggccaccc tcgtcgttcg tgtggttgcg gcgcaatcgc aggtactcaa cctttggttt 240
ggtagacgat gctacgaaag gagcagagga gagatgatca tgatggtcta cgagaaagca 300
ctctccagga agaacgtttt tgacacccaa tcagaacaaa aagatgaagg gcccgcaaac 360
agagagcttg ccgaagaaga tgccgacgaa gaagcggaga ttcccacgcg aaggaaattt 420
tgtgggatat tctctgggag ccggcaaacc acaaaaaagc cggctaaaac agctgcctcg 480

atgggcaaga ttttcaatct gctccgtggt gatgtctacg aagtcgccca gcggttttgg 540
gaagttgact ccttgattga caaacccctg ggacttatca ttgcgatcgt gcttgtttgg 600
aagctatttg ggccatcatg ctttctagga atcctagcaa tcattgtggc tcaggcattg 660
aacgccgtca ttactcgcac acttctccgt tgggagcgag tgcggagact tgcaacagat 720
gccagacttc agataacctc tcaatttgtc gaagcgcttc gtcacctgcg ttggtatggc 780
tggcaggatc actggtaccg gcaggttatg gatgctaggc agtcggagct gaacctacgc 840
attatcacca acctgtggag catcctgatt cgttttgtga acacttttgc cagcggtgtg 900
tttcctgtag tggctctgta tgcttatacc cttctggccg gtcatcctct ccgcatagat 960
attatcttcc ctgcattgca gctatttact atgctggaga cccgccttag agatatccct 1020
ggtctcataa cggtactgat caacgcatct atcgctgtcg aaagaattga ggacttcatg 1080
gccgagccga acaaggagaa ccctgctacc aagcccgccg actctgcttc tattcagcta 1140
caacattgct catatgcttg gcctggtcag gtcgtcncag tgctttcaga tatcaatttg 1200
acaatatcaa aggggctaac antcgtntct ggcaaggtag gggctggaaa aacggctcta 1260
cttcaaggcg ctcctcggga gagttggaac ggaatcggtg gctccgctaa gattcctaat 1320
gagttgttgg gctattgtgc tcaaacaccc tgggctccag agcatgagta tccgagacga 1380
catccttttt cctcctcacc ctatgatgag caacggtatc agagagtcct agatgcatgt 1440
ggccttgctt cctga 1455

<210> 20069
<211> 675
<212> DNA
<213> A.fumigatus

<400> 20069
tgcgaaaggc atgcccactc acactcgcac acagacaccg acagctcttc ccacggcaca 60
accaccagct ccaccaccag caccgccaac accgagctac ggaagcgcaa atccactccc 120
gccaccaaga aagaaccaga agacgagaaa gacatcaacc ccagcgtcaa actaggcggc 180
tacctcaacc tcatcgccga cttcacccac aacatcaccg acggcctggc aatgtcctcc 240
tccttctacg cctcccccac catcggcgca accacaaccg ttgccgtctt cttccacgaa 300
atcccccacg aagtcggtga ctttgcgctc ctcatccagt ccggcttctc aaagcgtaag 360
gccatgggtg cgcagttcgt caccgccatc ggtgcgttcc tcgggacatt catcggcatc 420
gcgatccagg agttgggagg cgggcacagc acagcggctg gtggtgtgac gggctcatcg 480
gccgggctgc tgggcacgag tctcacctgg ggcgatatgc tcttgccttt tactgcaggg 540
acgttcctct acgtcgggac tgtgtcggtc atcccggaac tgctcgagac gggcaaggat 600
aaggcagttg agatcaagaa gacgattgtg cagttcctgg ctgttgcggt cggggcggga 660
atcatgcttg cgtga 675

<210> 20070
<211> 2271
<212> DNA
<213> A.fumigatus

<400> 20070
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ggtgagaatg gtataggcct ttctggcggc cagaaggcgc gcgttgcgct agcacgagcg 120
ctttatagta ccgctagggt tctgttcctt gacgacccga tctctgctct tgatcacaac 180
actgctgagg ccgtggttga aaagtgcttt acgggtcctt tgatgcaaga ccgcctcgtg 240
gttctcgtta cgcatcgtac cgcgcttgtc aatcatcttg cggatcaaaa agtccttatt 300
gaagatggcc gggctacaat tcacagtaaa caggccgtct ctatcacatc ggcggctgat 360
aaagacatcc aatccttagg gaagaccgcc gaggcccaaa gtgagatcca aggcgctctt 420
cgagaggctg cggcctcggt tccgaccaag ttcatggagg aagaacaccg tgcggaatgg 480
ggtgtaaaag cccgtgtcta ttggaactac atcagagctg gaagatacag atggtggatt 540
tcactagtgc ttgtcttggc tgtctatcga ttgacatcgg taggacaatc gtggttccta 600
aaggagtggg gagaagccta caaccagatt cttctagcgt tcagcaattc tacccccgac 660
ggcagatatt ccgcacgaca gttggttata ccgtatgggt ggtcccaggt gtcccgttgg 720
aaaccaaccg atcctctaga gaaattgcca gcgccattcg atgatgtgcg tccttggctt 780

ctggcattct ttgtgataac ggcgtttcaa tcggtcatgc ttctgtttgc gcaacttctg 840
atgctggtca tcgtctactg tgcaggcaag aagctctttc accaggtcat ggttcgagtg 900
agccatgcaa cattccgctt cttcgatgtc actcctgtcg gccgcttgat gaaccgactg 960
acatcggata tcggagtggt tgacggtaat attagtgaac aatttcaggc tattgcgttc 1020
caagccatca catgggtctc gtcgattgtg gtcatagcgt cggtgacacc ggcatttctt 1080
ggattctcct tcgctctcac tgcagcattc attttcatct ttcttcaatt cctgccaaca 1140
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gaactcctac atgggctcac gactgttcgt gcgttccacg cggaagaacg ctttcaaaac 1260
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cctggtagta tccggttgaa tctcgatccg accggtgaat actcggatga ggaatgtgca 1920
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cttgaaatcc agcaggtcat cagggaggaa ctacgggagt cgaccgttat caccattgca 2160
catcggttgg aagcaatcaa ggacgcagac tactatgtcg tcctagataa gggacgggtg 2220
tcaaagcatg gctatgtcaa tgataaaggt acttctcaga tacagacata g 2271

<210> 20071
<211> 210
<212> DNA
<213> A.fumigatus

<400> 20071
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gtacgcatat ttcgaattgt gacaaatgtc cttattagca ttcgaattac tgatatgatg 120
gacacacatc taattcagtg ttttaagggc tatccagtgc ttgttgctca agtatacctt 180
ccgtcccata tatatgaaaa tggcaagtag 210

<210> 20072
<211> 1806
<212> DNA
<213> A.fumigatus

<400> 20072
tcctcggggt ggctgcgtct gcgattcact ctgtggtctt cagtagttct ggcctttata 60
cctctcggta aaaacgaagg tcaactcgga ttagtcgatt cggacgctcg atcccttgaa 120
taccagatta cgcctcggcg cgttggagcg tccctattcg gcgctggtat acagagtgtg 180
tctgccatcg accacgccac aatcgttctt ctccaaaacc atgaagtttg ggtgttctcc 240
caatatggct attccaggct ctcatttccg ttgggcatca gctcaagctt cattagaaac 300
agcttcatgg caactcggta tgacacatca gccaatcgcg tggttcaggt gaaatccgga 360
ggcgatacaa tctgtgcacg gtcaagttct ggtgaagtct tcacagttcg cgttaataga 420
tctgaaaatc cgccaacttc aacttcgact acaaatccat cgaagactcg caactcccta 480
tcggctccag tccgggtttg gactgtgaaa aagtcgcata tggccgccac agatgttgat 540
gtcggacaag acggatccat catcatatgt acggcttcgg ggtcagcttg gacaaaagag 600
aagcgcagta aggcgaaaga tggtacctca aaggactaca aatttgctcg tgtcccaggc 660
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gactacgatg tgaccaagga gcagatcaat gtcgatcaaa gcacattatg ggaagacttc 780

ctcccattat cgcccttcgc ttcgctagta tccaccgtaa ctccgttaaa gacggatgat 840
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gcgttcatag cgaatgaact gatgatcgac cgattagcgc aagtatgtca gaagatgcta 1740
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ctttag 1806

<210> 20073
<211> 1827
<212> DNA
<213> A.fumigatus

<400> 20073
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ctcagagacc ttgatgagaa cttggttgag gctcttgata ctgtctgcca tgaaaatcaa 180
atgacaagct tcccagtgtc gagaggacgg aattctgaag cctatgtgct tgagaagtac 240
cctgaacttg tcacatcgat acaagcggat agacggcgga tgattgattc gatgaggctc 300
cagtcccgtc tcaactgtct tcaaagctac gaggagaagc cccgtcctgt cactgacgag 360
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gacatacctc gtagtcccat tttgaagtcc agacaatcaa ccagtgactt gatgttccaa 480
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aaaggtgtgg cgtcggagcc gtcacgagat tttccagcgt tgggcacaag tctcggtgac 600
aagcaagcgt tcaacaacga ttccaatgtc atgccagaat cgttgcagtc gccccaagag 660
aacgcacttt ccgactcgcc ttcagtattc agagcagcag tactcgaaca gaagaagaat 720
ggttacccca tctccagccc atcccagaca ccgtgggctt cgtcggctat ctcaactccg 780
aagaaagatt tgaaggatat tatgtccgaa acctcggaga aaagggtgtc caatttaagc 840
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gaaaggaaga agcttcaaca gcagcaattg caggagaagc ttgcggctca ggagaaggcg 960
aaggaggcac cacagaatcc atggaaactt tctactcctg tcaaactacc agacaagcct 1020
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cagaagcctt ctatgaccct tcgtcaaaca gttgctggga caccgccgcc cagatcaaca 1140
ccaagcgcaa caccaacacc tggccaaggc cgcagtgtct ctggcggccc ccagccaccc 1200
ctgaaatctt cgccacaaca agccgcagcc gggccctcga catctcccaa tggtctagct 1260
agtgctcaga cccccatcaa atccatacgc cacataccac gccctgaacc gtaccagacg 1320
agtttttgtt ctccttcacc taactcgttg tccttggctg caatattaat gcagcagcag 1380
accgaaaagg atgaactgcg cgaggcagca acagctaagc ataattttca agatattcag 1440
ctggagcagg agtttcagga atggtgggac aaagagagca ggcgtgttca agggatactg 1500
gagcctgatt caaccacagc cagtcaaaag gacagcgaag gcagaggtgg tcgcggcgga 1560
cgcggtagag gatcaaacaa tcgcaagaag catggcaagg gcccggagaa tgctactggt 1620
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gactctcgtc gggacaacct gcaacccgaa acgaatggaa atcattcgag ctctgccggc 1740
ggcaattctc gtcgcggtgg cagaggaggc catccgaaga agggaaaaga acgcgaccga 1800
actgtgtcag gccagacaat tcaatga 1827

<210> 20074
<211> 1422
<212> DNA
<213> A.fumigatus

<400> 20074
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ggaggaggct caggcttcaa ggttggaagc ctcgatggag tgacaccatc ttctcctttc 180
tcctcaaaag gcaaaaagct gagcgggaca tctcctggag ctaccacgcc tgatcgaaat 240
accggaagcc cgcgtcctgg caaggcattg tcccgcgcag acttaaatac gagagatcac 300
tatggcagaa ctctcctaca ccttatctct tcatcacaga agccgtctgc tattcacttc 360
gcgaaatctc tcctcaagat ccccttttctt gacttgtatg cgcaggattg ggagagtgga 420
tggacagctc tgcaccgggc actttacgca ggcaatgcta ccatagcaca ggccctgatg 480
gctcgagaca taagtgatgt aaccgatttc agcaagtcag ggaacgtggg ccaccccagc 540
ggtggcctta tcaagattaa agatcgggaa ggttttagtc cttttgaagt atacggcgct 600
accattgctt ctcgagacat caaacggatc acctcctcca gtgcatctct catcccctta 660
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gacagctgtg tcggccgagg ttcactaaat ccgcggacga atttggctgc cgatgaagtc 780
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gcagaactac cagccttgat aaaaaacaaa cctatcaaga ttcaggctat cgccatgtca 1020
aagctccata cagctattat caccgatgat cctgagtcaa atctcttctt gtgcggcttt 1080
ggtcccggcg gacgtttagg tactggcgac gagcagacaa ggttcggctt cgtgtgcatc 1140
gaaacagggg gactcgctcg taagagagtt attgcagtgg ctcttggcca agaccacacc 1200
ctcgcgataa ccgcgcacgg tgaggttttc agctggggca gtaataagta tggacaactc 1260
ggttatagcc ttccgcgaat gcagaaccga gatgatgtgc ccatgcagat gtctccgagg 1320
cagatcttca atccattcaa aaaagaagtg atcctcgggg tggctgcgtc tgcgattcac 1380
tctgtggtct tcagtagttc tggcctttat acctctcggt aa 1422

<210> 20075
<211> 288
<212> DNA
<213> A.fumigatus

<400> 20075
attgcggtta gacaccccca cagtgttatt gccaacgagc tcctcggcat actggttgat 60
tccaggacca tcaccgatct taggcgcaga gacaagcact tcgactacta ttacaccacc 120
ggcatatact ttaaggaaga gggcaaatcc tccaaagtcg ccggccataa tcgcaagagc 180
ccctgctaca atcacagtaa cttcgacatc aacaatcaca acctgtcctg tgtgtacgaa 240
cacaccaact actacttcta ccaacacgcc aacaataaca ccccctga 288

<210> 20076
<211> 285
<212> DNA
<213> A.fumigatus

<400> 20076
tcctggatca accgttacag gcacaaccac gttaacgaag atttcgacct cgacacttac 60
aagtctagga gtgacagtta cggatacaat gcctgtaacg gaaggttcta cccagaccat 120
cagtcagatt ctaacgatga cggccaccaa gaccgaggtc ttgcctggga gaaccgtggt 180
agattcaaag acgattaccc tacctggaac gacaatagtc aactcgaaag ctgtgacgct 240
cacggttcca ggaacaactg tgactactat gaggacaatc actaa 285

<210> 20077
<211> 1572
<212> DNA
<213> A.fumigatus

<400> 20077
cgtgacgacg acggatctgc aggtcattcc cacaacactg cctggagcaa tgattttgac 60
cactgttatg cggccagcaa gtaccatgat cgtatcagga actattacta ctctaccagg 120
gtcaactatt gtacaaagcg caactctccc tggattgcgg ttagtcgaga ctgtatcagt 180
gactgtcatc cagagtacta ctattttcga tacagtaacg ttgactggtt agtttctcgt 240
ccaacgcctt gctatacata ctggaaattt gctgacgagg taggctttga caaagctata 300
acaaccacag aaccggctgc atctacggct cagagcggca acactgtaac agttcctgca 360
accaccacaa cgttattcat ttgtccgacc ctcagcatca atcccactta cactccggtc 420
gctcctctcc caaggaacta tacttggggt tgtccaccag gttatctttg caaaaccaaa 480
cacacaggtg ccgacgcagg ctgtaacatc gaagccagca tgccggcaga gtcctatgtc 540
tgcagtccag acgagtgtat caagagctct ccattcatcc acgaccagta ctggggcaca 600
cctgtcgagt ccagcgagat ccgttcatcc tacaacatct caaaggacta cttcaacctc 660
gaccctgaga tcttcggtct gaactactcc atctttcgga tccccgacct caaacccggc 720
gatgaccatt actacatccg gtcttctcgc cgaacgtgga gcaaattact tgcccggcag 780
tcaattggag tatccacagt acctggcgct tgctatgacg aatgtaacga tgcagcattg 840
gaggttgaat cgaccggcaa gacacccgac atatgcaacg ctgggtcggc tttcaatgtc 900
tccctgggcc aatgcgagaa gtgctgtaat acccacaaga cagctacttc tgccagcttt 960
gagcaaaagg ttctgccaaa ctttcagcag tttttgaact tttgtgaggg gttggaggac 1020
tcggctacca ctgcagctgc ggatactgtc ggttcgacta ctaagggtag tcagacatct 1080
acaacgccag gaacgacatc cacgcaggaa cgcggtacta tgtcacaggc tgatccatta 1140
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acggccgcat ctgcaacctc tgttgaacaa acaataatac cctcaccaac ccagcagaca 1260
accgcaccgc acccaatgac ggaatcgaag cctgtaaccg cgagtgggat cagtacggat 1320
actatctcca gttcatcatc atgctcagcg acaggtacct cttcgagaga gactgcacaa 1380
agttcttccg catgcgagaa cactggtaac agcgcggcta cttcaacatc tcacagacca 1440
acgagtacac attccggagc aagtccgtct gcacctgcat tacttttcac aggtgcggca 1500
agtctccaga cagtgccatc tcactggggt attttggctt tcatttttgg agttgtgggt 1560
ttccacatct ga 1572

<210> 20078
<211> 1695
<212> DNA
<213> A.fumigatus

<400> 20078
gcagcaacca gcctaccgac gagtgctacg gcatactcag cagtggccga aacatcaaca 60
tcacctgctg aattgcggtt agacacccca acagtgttat tgccaacgag ctcctcggca 120
tactggttga ttccaggacc atcaccgatc ttaggcgcag agacaagcac ttcgactact 180
attacaccac cggcatatac tttaaggaag agggcaaatc ctccaaagtc gccggccata 240
atcgcaagag cccctgctac aatcacagta acttcgacat caacaatcac aacctgtcct 300
gtgtgtacga acacaccaac tactacttct accaacacgc caacaataac acccccctgaa 360
actacaccaa cgacatccac aataaccagt actcctgtca ccacgccgac agtaggacca 420
ggatctactg taactacgac tgtgactgtg acaaccactg ctccaggccc tacagagact 480
gacactgtca ccacgactgt cggcttgcca ggcaccacgg agacagacac cctcactagc 540
acagtcacta ttccgggaac tacgggaaca gatactgtca ctacaaccat tgacttacct 600
ggtgccacag tgacagccac tcagagtgca acctcaacca ttactatcac ggctaccaca 660
actcagtcag gtactacctg cgctgcaact ccaggcgatg gaataaccca aaccaccaca 720
gttactgtta gttctgaagg tgcaacgacc atgaccttga ctcagacagt aactctaccc 780
gccacgacgg tgtccaacgc agctacgctt acagaagcta catcggtagc aatgtcatgg 840
tttactttaa cagtccctgg ttcaactgta actgagacga ctacatcaac caagatcact 900
acacaaaccg tcactgtttc tgggagcaca gtaacaggta tcacgacagt gactaggacc 960

tcaacatcaa cagtcactag tcctggatca accgttacag gcacaaccac gttaacgaag 1020
atttcgacct cgacacttac aagtctagga gtgacagtta cggatacaat gcctgtaacg 1080
gaaggttcta cccagaccat cagtcagatt ctaacgatga cggccaccaa gaccgaggtc 1140
ttgcctggga gaaccgtggt agattcaaag acgattaccc tacctggaac gacaatagtc 1200
aactcgaaag ctgtgacgct cacggttcca ggaacaactg tgactactat gaggacaatc 1260
actaaatctg ggacaacaat gactatctcg gaggtagtca cccttcctgg ttccatattc 1320
acgacgatag agacaattcc aactactctc tccgggtcaa tcatagtcac gacaaccact 1380
aagccaggac agacgattac catgtccgga tctgtaacca cgttgcctgg atcgactatt 1440
atccaaagca gtactcttcc tagcgtgacg acgacggatc tgcaggtcat tcccacaaca 1500
ctgcctggag caatgatttt gaccactgtt atgcggccag caagtaccat gatcgtatca 1560
ggaactatta ctactctacc agggtcaact attgtacaaa gcgcaactct ccctggattg 1620
cggttagtcg agactgtatc agtgactgtc atccagagta ctactatttt cgatacagta 1680
acgttgactg gttag 1695

<210> 20079
<211> 183
<212> DNA
<213> A.fumigatus

<400> 20079
acaaacaata ataccctcac caacccagca gacaaccgca ccgcacccaa tgacggaatc 60
gaagcctgta accgcgagtg ggatcagtac ggatactatc tccagttcat catcatgctc 120
agcgacaggt acctcttcga gagagactgc acaaagttct tccgcatgcg agaacactgg 180
taa 183

<210> 20080
<211> 717
<212> DNA
<213> A.fumigatus

<400> 20080
tatacagctc tagagaactg ttcattgaga atggcctcat taggcagcct cacaagatcc 60
atttcgactc tcgttttgca gtttaatgag tacagttcta gcgttagctc ccagcccagt 120
gaggcagctt tccttgcaac cgtgatgcct gaatacagcc agcagcatcg aatccctctg 180
cgcgttctgg tctccccgac aaacttcctt aacctcaaaa ggatgtactc gcagatcccc 240
aatgttgagg tccaagcttt cagaatccag cctcgtcacc tcaacataag catgatgctt 300
ttgcttatgt ctgtttctca gaacgacagc atgcccctgt atatggctca agtaacacgt 360
gttcttcggg agatggcaat ggaaagtggc ggttgcttcg attaccttga tttccgagaa 420
cgtctgagtg ctcttcgtct tgatcgtgtc caaactccat tcctgcacca gaggctggat 480
ctgcttgact catatctgga ccttactgga caggctacga gtgactattt cgtcgacggc 540
ggcgttacga tcttggacct atcatgccca tttgttgacc agaatacggc ctgcattctc 600
tttcggattg ccattgactt attcctcagc gctcaccctt ctcgggggaa aatgatagtc 660
gctgacgagg cgcataaggt accactatgg gaccgcatgg gattcgtgct ttgctaa 717

<210> 20081
<211> 588
<212> DNA
<213> A.fumigatus

<400> 20081
ccagtcaacg ttactgtatc gaaaatagta gtactctgga tgacagtcac tgatacagtc 60
tcgactaacc gcaatccagg gagagttgcg ctttgtacaa tagttgaccc tggtagagta 120
gtaatagttc ctgatacgat catggtactt gctggccgca taacagtggt caaaatcatt 180
gctccaggca gtgttgtggg aatgacctgc agatccgtcg tcgtcacgct aggaagagta 240
ctgctttgga taatagtcga tccaggcaac gtggttacag atccggacat ggtaatcgtc 300
tgtcctggct tagtggttgt cgtgactatg attgacccgg agagagtagt tggaattgtc 360

tctatcgtcg tgaatatgga accaggaagg gtgactacct ccgagatagt cattgttgtc 420
ccagatttag tgattgtcct catagtagtc acagttgttc ctggaaccgt gagcgtcaca 480
gctttcgagt tgactattgt cgttccaggt agggtaatcg tctttgaatc taccacggtt 540
ctcccaggca agacctcggt cttggtggcc gtcatcgtta gaatctga 588

<210> 20082
<211> 732
<212> DNA
<213> A.fumigatus

<400> 20082
gtggctgtca ctgtggcacc aggtaagtca atggttgtag tgacagtatc tgttcccgta 60
gttcccggaa tagtgactgt gctagtgagg gtgtctgtct ccgtggtgcc tggcaagccg 120
acagtcgtgg tgacagtgtc agtctctgta gggcctggag cagtggttgt cacagtcaca 180
gtcgtagtta cagtagatcc tggtcctact gtcggcgtgg tgacaggagt actggttatt 240
gtggatgtcg ttggtgtagt ttcaggggtt gttattgttg gcgtgttggt agaagtagta 300
gttggtgtgt tcgtacacac aggacaggtt gtgattgttg atgtcgaagt tactgtgatt 360
gtagcagggg ctcttgcgat tatggccggc gactttggag gatttgccct cttccttaaa 420
gtatatgccg gtggtgtaat agtagtcgaa gtgcttgtct ctgcgcctaa gatcggtgat 480
ggtcctggaa tcaaccagta tgccgaggag ctcgttggca ataacactgt gggggtgtct 540
aaccgcaatt cagcaggtga tgttgatgtt tcggccactg ctgagtatgc cgtagcactc 600
gtcggtaggc tggttgctgc ctactgcatc ttagaagtta tatcgagcaa tagacgttta 660
actgacctcc cacggttcag aaacagtgac tgtttcaatc actgtctctg ttactgtcac 720
atcttctgct aa 732

<210> 20083
<211> 333
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (115),(118)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20083
agcagcgaac aaaaggtgct gaaggaaaac tgctacagtg cccagcgccg acttgacgaa 60
caaattatga agaaccgtaa gctccagacc atgttggaag agtcggactt tcgtntanaa 120
accttgaatc atgacattgc ggtgggggaa gttgatctag atgagtatgg caaccagtct 180
atcatctgcg agctcatttt cttacttagt ggcagtctta ggaagggatt tcagagtatg 240
gaaaagcgcc tgaaggcgtt gagcgcgaag ttctttaaga gctcaactag taccgagcca 300
gtatgtccca tattcactaa tggtattgac tag 333

<210> 20084
<211> 1101
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (202)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20084
cccaagacgg taaaagggca gctttcatta ggccgggttt ccgaattttt cgaaccagaa 60
tctcagtctc tagatgatcg gtatcggcca cgtcgcggag aggcgacggt attgcaccat 120

cagtctgatg aaagtacgcc aatgtgtctt atttctgaac gatgccggga ctttgatggc 180
ttgagtttcg ggacagcaca gntacaagaa gaacaagagc gcgagcttgc cccggaaatc 240
gaacaggaac gccaaattga gcggcctcct ccagccgagc ctaagcaaca ttgtcttcat 300
gcggacctcc ttacgttcgt gtcgaccggc atactcaagg agcactccag cgctgtccgg 360
cctgcctttg aggccctcag gaatacgtcg gccgcccgtt atctagacgt gtctcagttt 420
cccccgggat tacgagttac aaccgacttt gccactacca ttcaattccg ggaggggtct 480
tctagcttgt ctgatgcata ccagcgccct gtccaatggg tcttaaccca ctctatctac 540
gattctacct ccggaaaacg aaatgcaagt cacgtcataa ttataagccc ctacgaggcc 600
atgcatctgc tgtcagaagt ccgacgatcg acaggggcca cgattcatct gtacgcgcca 660
cgtcagcacc tgagcttcgt gcctctcgat cggttggacc tgtacaatat tcctagccgt 720
gctgacccta tcgatatacc agacgacctg aagatacagt tgaatctgtt cgcgggtcag 780
ttgtatattg cctcgtacga tgagtacctc agactgtgtg acactcttgg ggtcgcctct 840
gctgcaacgc cagataatct cagtgtagcc gctgacgggt tcattctacg gggcaatgtg 900
actggaaagt cgaccttcag tcagagcccc cttaaattct tgcaagtcct cctgtcacaa 960
atcaggaaag acggccaaga tatcagcaag actcacattg gcaaactttt ggacggccga 1020
cttctcgaag cacgcaactt tgattccgca atcgaagagc ttacgctcgc gaggttgagt 1080
attcgaagcc atccggagta a 1101

<210> 20085
<211> 702
<212> DNA
<213> A.fumigatus

<400> 20085
tgccatgctt caactaggaa ttacgccaaa tctcacccgg atctttgcat tctcgccgtg 60
aatacatttg tacaggactc tgaagacccc aatccattga ttagggcact ggctatcaga 120
acaatgggat gtattcgggt ggataaaatg gtcgactaca tggaggaacc gctccgcaag 180
acactccggg acgaatcacc gtatgtccga aagactgctg cgatctgtgt ggcgaagcta 240
ttcgacttga atccttcatt gtgtttggaa aatggtttcc ttgagatgct gcaggaaatg 300
atcggcgatc caaatcctat ggtggtcgcg aactcggtga ccgcgctttc agaaatccat 360
catgccgctc ctgagacccg agctcttcaa gtgacatcta acgtactgcg caagttgttg 420
atggccttga atgaatgtac cgagtggggt cgggtcacaa tcctgacaac tctggcagaa 480
tacaaaacca gtgatgtgac ggaatcagag catatttgcg agcgagtcgc gccacaattc 540
caacacgcca atccaagtgt agtacttgca gcggtcaagg tcgttttcct gcacatgaag 600
aacatcaagc aggagttatc cagcaactac ttgaagaaga tggcgccccc tctaggtatt 660
tctcttgagc ccacttgtca tcccgaaagc atggcacgct ga 702

<210> 20086
<211> 522
<212> DNA
<213> A.fumigatus

<400> 20086
caatgctggc gatatcctgg ccgggtttgt ggaagggttc aacgaagaat tctcacaggt 60
ctggttgctg cgctcgactt gtgtatgcca aggctaattt ttttttatca gacccagctt 120
cagattctta ctgctgtcgt aaagctattc ttgaagcggc ccgagaaggc tcaaggactg 180
gttcagaaag ttctccaggc ggcaacggct gagaatgata accccgatgt ccgtgaccga 240
gcctacgttt actggcgtct tctctccaat acaagcgatc ccaatgctac gaagaacatt 300
gttctttccc aaaagcctcc tattgttacg acgatccact ctctcccgcc cgctcttctt 360
gaacagctga tcggtgaact ctctactctt gcatccgtct accacaaacc accagagcaa 420
tttgtcggtc agggcagatt cggcgcagat gccgtgcaac gtgctgctat agagttcgtt 480
gccttgcttc ttaatccgtt cttgagcagt cagctaatat ga 522

<210> 20087
<211> 450
<212> DNA

<213> A.fumigatus

<400> 20087
tggaacaggg aacaaattca aaacgcccgt gaaaacccct tggctgcagc cgctgcggct 60
gccgcagtta cgggtgctac gcccccgcca caggctcaaa acaacgttga gaacctccta 120
gatatcgatt tcgatggcgc agctcccgct tcgacccaga aagaacctgc tagtggaatg 180
tctggtctcg agggtcttgc tggtactccc gttcgagtag agtctcccgc tgttggctcg 240
cccgctcctg ccgcaagcaa caacctggat gacctccttg gtgtgttcgg cgatagtggc 300
agtacctccg catctgccag caccgctatt cccaacggcg gtggtgccgc tgcggatctc 360
atgaacggct tctctggcct tgatctctcc gccaacacag ggggcaatca gcaaagaaag 420
accaatgagg atattctatc actgttctaa 450

<210> 20088
<211> 900
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (887)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20088
ctgtccttcg aagatgtcgt ccttaaagga ctggcgtccg atggtggcct gttcatcccc 60
gaagaaatcc cttcgcttcc tgcgggatgg gagacagagt ggcgcgacct cagttttgaa 120
gatctcgcat atcgtatcat gtcattgtac atctcgccga gcgaaatccc ctcggaagac 180
ctccaagata tcattagacg ctcatacgct acgttccggc accctgagag gacgcctctg 240
gttgaattgg atggaaaacg caacctctac ttgctcgaat tgttccatgg accaacattc 300
gccttcaagg acgtcgcgct acagttcctc ggaaacctct ttgaatattt cttggtgcgc 360
aagaatgaag gcaaggaggg taaggacaga caccacctga ccgttattgg tgctactagt 420
ggcgatactg gatcggcagc gatctatggt ctccggggca agaaggatgt ctccatcttc 480
atcctcttcc ccactggacg ggtgtcgcct atccagcaag ctcagatgac gacagtcttg 540
gatgccaacg tccacaacct gacagtcgag ggctctttcg atgattgcca ggacattgta 600
aaggccttgt ttgctgatcc tgatctcaac tcaacccaca acattgctgc tgttaactcc 660
atcaactggg ctcgtatcct ggctcagatc acatactact tttactccta cttctctctt 720
accaagacct ccgccttctc caaagacacg aagatgcgct tcgtcgttcc ttcaggaaat 780
ttcggtgaca ttctcgccgg atggttcgct aagcgcatgg gtcttcccgc tgagaagctt 840
gtcatcgcaa ccaacgagaa cgacatcctg gaccgcttct tccgtantgg tgggcattaa 900

<210> 20089
<211> 306
<212> DNA
<213> A.fumigatus

<400> 20089
acgcccatac aagtttttc cagcttttct cgcagaatgt gtttacagac cgacgatgag 60
ggcataagtg tgggcggtga aaatatgagg atcgttgata gcatactgcc ttgtttgtct 120
ctatctacct ctctagacaa ctttggatat ggtcccattc tggcaaacga ggaaattatc 180
cagcttcggc cattatggat acgagacgat cacttatccc agtcgatgac atccatgttt 240
ttttttgctt ttttttggtt gatttacccc gcactgaagc ctgattttac atcctctaat 300
tattaa 306

<210> 20090
<211> 435
<212> DNA
<213> A.fumigatus

<400> 20090
ctaccttcta catcaacaac tatcatcatg tcagtcccat ttagccagtt tccttcaacc 60
gcaaccattg tcccagctcc ttttcaagta gccgtccccg atgagcagat agccgagctg 120
aagaccctgg tgaagctcgc taagatagct ccacctacac ttgagaatca gcaacaggac 180
cgtcgatatg gtgtcacatc cgactggctg acgaccatgc gagagaaatg gttgaacgac 240
tacgactgga gagttaccga ggcccgtatc aatagcttcc ctcagttcac aacaaggatc 300
gaggacatat cgctgcactt cgcagctttg ttctcggaaa agagagacgc agttcctgtg 360
atactccttc atggatggcc tggtaaaact ctattgccct caattatttc gtccgtgctt 420
atagaaaaac catag 435

<210> 20091
<211> 183
<212> DNA
<213> A.fumigatus

<400> 20091
tattcaaaac cgcaaagcac cccattaaat cgcctgacta gggttggaga gaaattcctc 60
gattgggtgg acgagcctct acctttagag accatccttg atttcgtctc tctgtattgg 120
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<210> 20092
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<212> DNA
<213> A.fumigatus

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ggctaa 666

<210> 20093
<211> 219
<212> DNA
<213> A.fumigatus

<400> 20093
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<210> 20094
<211> 249
<212> DNA
<213> A.fumigatus

<400> 20094
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cacttccatc cgcgagaatc aagcatcctc gccattgcta acagcgccgc atccgtggcc 180
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aacgaagat 249

<210> 20095
<211> 192
<212> DNA
<213> A.fumigatus

<400> 20095
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gagtcggacg aagcttcgga taatatcggc gcagagactg gacaagatca tgttgttagc 180
agtggttggt aa 192

<210> 20096
<211> 249
<212> DNA
<213> A.fumigatus

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ggagtatcct ggatacatgg tggctgccag ttcccttgtc attcgtctat ccatagttgc 120
gattggacta ttgattgtca accttatcac accaacatgg ctctagacaa gcatggtacc 180
tcgggaatgt gcaagtggta tgatgaaatc cctaccttta atcaactgat tggtcctcat 240
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<210> 20097
<211> 600
<212> DNA
<213> A.fumigatus

<400> 20097
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<210> 20098
<211> 1281
<212> DNA
<213> A.fumigatus

<400> 20098
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gacatccaag gcgaaaagta tgcccaagca tctgaagaaa tggccaataa gacggagcaa 120

ctctatcgga gtttgattag agcgcagcgg aagacggccg ttagagaggc cctctcacgc 180
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<210> 20099
<211> 381
<212> DNA
<213> A.fumigatus

<400> 20099
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<210> 20100
<211> 285
<212> DNA
<213> A.fumigatus

<400> 20100
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gagacaagag tggacattgg agtttccgtg cgaaaccaag atgtatacat tgtccagagc 180
ggcagtcaga agatcaatga cagtgtcatg gagctcttga tcatgatctc tgcttgcaag 240
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<210> 20101
<211> 1095
<212> DNA
<213> A.fumigatus

<400> 20101
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<210> 20102
<211> 384
<212> DNA
<213> A.fumigatus

<400> 20102
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aaccccgaaa tccgcctcgc tcttcagtcc ctgtttcgaa gaatcggaga agcaagactg 300
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cgcaggtata gtcgggatca ctag 384

<210> 20103
<211> 1107
<212> DNA
<213> A.fumigatus

<400> 20103
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<210> 20104
<211> 1950
<212> DNA
<213> A.fumigatus

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<210> 20105
<211> 297
<212> DNA
<213> A.fumigatus

<400> 20105
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gaaatgttgc atgtagcaga gaaatgctac ggtgtcagct tccggcagaa agctagtacg 240
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<210> 20106
<211> 342
<212> DNA

<213> A.fumigatus

<400> 20106
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<210> 20107
<211> 1215
<212> DNA
<213> A.fumigatus

<400> 20107
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<210> 20108
<211> 234
<212> DNA
<213> A.fumigatus

<400> 20108
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<210> 20109
<211> 258
<212> DNA
<213> A.fumigatus

<400> 20109
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aacctcaccg acaccgaccg ggaggtcttg gccatgacag acgaccaatt cgttccccac 180
gactgggaca acctcaaaga tatcatcggt atgagatcca gaccctacct agtacgagat 240
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<210> 20110
<211> 597
<212> DNA
<213> A.fumigatus

<400> 20110
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<210> 20111
<211> 1713
<212> DNA
<213> A.fumigatus

<400> 20111
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caggcgggtg aaggctcgga ccttgtctac cgtgatctcc ttgcaggagc caaatcatcc 1440
tcaaagaaca tccctgatgg ggaggatgat caaggatcag atgccagcgg cggtgtttca 1500
gtcgcagact ctgcatccga cttggaagag gtgccccacg gagaagatcc gtttgcgaaa 1560
aaacaaccgc gtggtaagcg gttcgaggat aaggactcta aacgcgagca taagcaaagg 1620
gtcaaggagg aaaagcgtca gcaacgcgca aacaagatgc cgaagcatct caaaaaacgg 1680

ctcgtctcta cttcatccag gaagaagaaa tga 1713

<210> 20112
<211> 846
<212> DNA
<213> A.fumigatus

<400> 20112
gctctagaga caatgtggca ccgcgatgta gctagtatca attatatcga gacgagcaca 60
tggacgaggc aggagcataa tggtttctcg catcagaacc cgtcgttcat cggcgcagtg 120
ctgaaactaa agcccagcgc tgctcgggtt tatttgccgc cggacgcaaa taccttcctg 180
acgactcttc accactgcct gaaatcaaag aattacatta atctcatggt tggctcgaag 240
cagccaactc cggtatatct gacaccggaa gaggcagaga gccattgcag agccggcgca 300
tccatatgga ggttctgcag caccgacaac ggtctggatc cggatgtagt actggtcgga 360
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cccgagctgc gtgtccgagt cattaatgtg acggatctga tgatcctcga aaatgaaggc 480
gctcacccgc atgctctcac aacggaggca ttcgacaatc tgttcacata cgacaaacca 540
attcacttca actatcacgg gtatgcgacg gaactgcagg gactgctgtc cggacggccc 600
cgtctggatc gagtcaccat caacggatac atggaagagg gaagcaccac gacaccgttc 660
gatatgatgc ttgtgaacaa gacatcacgc ttccatgtgg cacaggctgc ccttcgggga 720
gcggcgagga ggaacgagag cgttcggatc aggcaacaag agctctacac ggagctgaac 780
cacaacattg cagagacgaa gaagtacatt atcgagaatc gcaagggtaa gtttgcctgc 840
gcttga 846

<210> 20113
<211> 234
<212> DNA
<213> A.fumigatus

<400> 20113
agaaaaattt tcacaatgcc aggagaagtc attgatacac caaatcccca ggcattacct 60
tcccatattc cggatgtagt ggaacagcta caagtgaaat tggacctgac gagtctggaa 120
caacctgcct gcgatgcttt aattaagttc cgtcgagcgg cttcatacat cgccgcaggc 180
aagttggcta cttatacgtc gtctgctgtt cttgctaatg tctctcagcg atga 234

<210> 20114
<211> 273
<212> DNA
<213> A.fumigatus

<400> 20114
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atcttggtat attcacactt gaactatctc atcaagacgc gggacctcga tatgctttat 120
gtcgtagggc caggacatgg cgcgccagcc attctagcct ctctttggct ggaaggctca 180
ctggagaaat tctatcctga ctactcacga aacgccgaag gtctccgtaa cctcatctcc 240
acattcagca cgacagccgg cttgccaagg tga 273

<210> 20115
<211> 666
<212> DNA
<213> A.fumigatus

<400> 20115
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caggttccgc ttcccaaagc gaagaaggac aaggaggaat tgcaggccct ccatgagtgg 120
ctgtcgtcgt acggtcccaa tgagcttttc aaggaaaacg gagatattat cgacgagata 180

aaatctatca ttccttccga ggattcgaag aagcttggcc aacgcgtgga ggcatacaag 240
gcatatgcac cgccaaacct cccggattgg agacacttcg ccattgacaa aggcagtcaa 300
ggaaagtgca atgagagtaa ccgggaagct catcgacgga ggttttccag gttaatcttc 360
acagagtggg acttttcttc gccggacgaa ctcgagagca acaagttgag cgcggcattg 420
gatcgcacag gcaggaactt ccaatgggat cagttctcaa atgctcgagg aggccgtgtc 480
attgaagtgc tgagcgagca catgtgccag ggtttcctcc aaggatacac tttgactggc 540
cgcacgggta ttttcccttc ttatgagagc ttcctgggaa tcatccacac catgatggtg 600
caatacgcta agttcatcaa gatggtattg cgctctctgg ttgcccagtc taaaatggga 660
tgctga 666

<210> 20116
<211> 606
<212> DNA
<213> A.fumigatus

<400> 20116
caaggaatag cacccacctt cttcacagcg ggaatctacg tcctcctcgg ccgcttcatc 60
acgatcctcg gccgcgaatc ttccatcatc agcccaaacc tctacctctg gatctttgtc 120
acctgcgaca tcatctcgct cgtcgtgcaa gccatcggcg gcgggatggc ctcggccgca 180
acgaacgatg tcaacggcga caccgcgccc ggcacgcaca ttatggtcgc gggcatcgtc 240
ttccagatgg cctccattac cgtcttcgtc atcctcgctg cggattttgt ccggcgcgcc 300
ctccaccgtc gcctcctgca gtccatgagc ggatccattg tgcctctgtt cggcgccatg 360
attttctccg ttgtgtgtat ctatgtgcgg agcatctacc ggaccatcga gctatccgaa 420
ggttggagcg ggtatctgat taccacggag cgctacttta ttgcccttga cggcgcgatg 480
atggttgctg cggttgtggt ctttaatgtc ttccatcccg gctggatgat gcccaccggg 540
aagagcatgc agtttcaacg agaaatttac tctgcggatg ggttgcctgc gacggagctt 600
cgctag 606

<210> 20117
<211> 594
<212> DNA
<213> A.fumigatus

<400> 20117
ctcctatatg gacctggcgc tgacaacgtg cgtagatcat ggcacgccat taaatacatc 60
gaccctgctg agtctggtgc cgtgctgcca atcctgcacc tgaatggatt caagatcagc 120
gagcgcacca tttttggctg catggatgat agagaattga tttctctctt cactggctat 180
ggttaccagg tccgcattgt tcaagatcta aatgatatcg acaccgatct ccatcgctcc 240
atgacctggg ccgtcgacga aattcataaa atacagcaag cagcacggtc tggaaagcca 300
atcttgaagc cgagatggcc gctgctcatc ttgcgcactc caaaggtatg tccgctacgt 360
aaagactacc aaagagaatc agtctggcta acgcttgcac ctatcactga tagggatgga 420
cgggacccaa gaaactgcac ggcaagttca tcgaggggtc attccattcg caccaggttc 480
cgcttcccaa agcgaagaag gacaaggagg aattgcaggc cctccatgag tggctgtcgt 540
cgtacggtcc caatgagctt ttcaaggaaa acggagatat tatcgacgag ataa 594

<210> 20118
<211> 648
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (446)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20118

tccttcgtga gtgcttcact ccacgcattt caaagcatca taactcatcg ttgtcagtct 60
tgtgttccat tacaccaacg aagctggaaa tctaagcccc gcgagcacaa aagagatgca 120
tatcagcagg gtgggtcatt cctctctcag ccatcacgga cgaagcttat gttgatcgct 180
atccaggcag aggagatcct taacaagcaa tccggatgga aggcattgac aggaacaacc 240
gacttctcca ggatcgctgt tgagaacccc ccatcccacg cccacaagct tgctttcgat 300
atcgtcgtgg atcgcatcct tgggtttgtt ggaaactact tcgtcaaatt ggacggtcaa 360
gtagacgcga ttgtctttgc tggcgggatc ggcgagaaga gcgctcttct gcgcaaagta 420
cttgttgaga aggcctcgtg tctacnagtg gccgtggata ctgcggcaaa tgagaccggg 480
ccagcggagg accaaacggt ccttgatatc tcgaaagagg ccgggaaaag accccgggtg 540
cttgtctgtc agacagacga gcaggtaagc cgtcgtccct tgacctcatg tttgaatgag 600
ttactaacac atctgattag tttgagatgg catataattg cattttga 648

<210> 20119
<211> 213
<212> DNA
<213> A.fumigatus

<400> 20119
cgtgccaata cgagctcttc gcggcctgat ctcatgtccg aatccgacgg aattgatacc 60
tctcctgaaa aaatcatcca agtagtcctt ttatttgacc acgcaccgtg gtatttgagg 120
tctgccatgt acgatgagac acgaatcggt actggtcctg tgaccttgat tggcctgagg 180
ccgagaggct tgcgacggtc tataagtcct tag 213

<210> 20120
<211> 420
<212> DNA
<213> A.fumigatus

<400> 20120
cacttaccac cggctagaag agctcgagaa tctagctcct ttgtacgtgt gatctttgaa 60
ggaattggaa aagagtggct aatgaccctg attactatca gacacaatta ttctgccctg 120
gagatcattc gcacttgcaa gcaggaaatt cccaacgtca aaagcgtcac gttctttgac 180
tctgccttcc accagacgat gcctgaacat gtgaagactt atcctatcga ccaggggatt 240
gccaaggcaa atggtctccg taaatacggg tttcatggaa tcagttattc cttcatcctg 300
cggtctgtcg cggaatttct caaaaagcca gtcgaggaga ccaatatcat tgccatgcat 360
ctcggaagtg gcgcctcgat gtgtgcgatc aggaatggca aatcagtaga cacgacgtaa 420

<210> 20121
<211> 273
<212> DNA
<213> A.fumigatus

<400> 20121
accgcgcgga tcggtcgcca gcacatcgtc ctcggcaccc aggccgacaa ccgcatcacc 60
atctccaact gctacatcga cggtgtcacc gactactcgg ccacttgcaa cggttaccac 120
tactggggca tctacctcaa cggctccaac gacatggtga ccatgaaggg caactacatc 180
taccacacca ccggccgctc ccccaaggtc cagggcaaca ctctgctgca cgctgtacgt 240
tccttccctt catccctaat caccctaac taa 273

<210> 20122
<211> 366
<212> DNA
<213> A.fumigatus

<400> 20122
tcacccctaa ctaatagagg aaatcaggtc aacaactact ggtacgacaa cgccggccac 60

gcctttgaga tcggctccgg cgcctacgtc gtcgccgaag gcaacgtctt ccagaacgtc 120
aaggccgtcg ccgagtcccc catctccggc aagctcttct cctcccccga cgcctccacc 180
aacaaggtct gctcctctta cctgggccac acctgccaga tcaacggctt cggaagctcc 240
ggcgccttca gccaggctga tacggacatc ctctcgaagt tcaagggcaa gaatattgct 300
tccgccgctg cctacaacac cgttgtttcc agcgttactg ccaatgctgg caacggtaag 360
ctgtag 366

<210> 20123
<211> 252
<212> DNA
<213> A.fumigatus

<400> 20123
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ctgctgttcc cctacctttt cttgctgctc tttcttcttc ttccccttct ccccctcttc 120
cgtctctttc ttcttctcgt taatcagcca tggctggcct tccttgatga actcctccgt 180
cgtgtgcagc acatatcgcc aatgcttcgg atgcacatcc ggccgcctca aatgaaagtc 240
ctacaaagat aa 252

<210> 20124
<211> 312
<212> DNA
<213> A.fumigatus

<400> 20124
tctgcgcaac cgcaccaaat gggtgtagaa tccattgaca caaactacac tgcggacacc 60
accagagacc acttcaagtc cggcaccaca ttccgcagct acgatgacga tgcgttttcc 120
tatactgaca cggtcgagct gtccgtggca gtggcaaacc cagagagtag agaatggcgg 180
ccccgagtca aggattggct cgttctgatc tgtatatcga ccttgacgat gctggtcgca 240
tttgatgcga caatggtcgt accattcatc ccggtaaggc atccaagcca acccagtgaa 300
ccccttctt aa 312

<210> 20125
<211> 957
<212> DNA
<213> A.fumigatus

<400> 20125
tgcatagagt gcctcctggg atccgtcacc cagaagacgc aagagttcat caagcacgac 60
gccgaagaaa aagcgaagga gaaagcaaaa tcaacaaaag aggagagcgc ggttgccctt 120
aagcgtcaca agttcgttct ctatcctttc aagccacgtt tatcaaaagc tcacctcgat 180
cgcagatgga ccgcggtcaa attcctctgc aaacgaccat tatcggaaga cacgaagtgc 240
tacacctttg agctcccatc tagagacaag aagctcggcc tggaaacagg ccagcatctt 300
cagatcggct tccacttcca ggaccggctt gtcattcgcc catacacccc tacccggccc 360
atcctggagt ccgaagaaga cggcacattc gaccttgtcg tcaaaacgta cttccccagt 420
tctgcacaac caggcggcac aatgagcaat attcttgact gtcttcagga aggcgaggag 480
gtcgaagtaa aaggtcccgc aggcgagatc cgataccgcg ggaacggcga attccgcgtc 540
gacgacaaga cgtatcattt cgatcacatc acattgattc tgggaggatc gggcattaca 600
ccgggatatc agcttattgc acgaattctg aggacagaac aggggaaagg acccaaggtc 660
agggccatcg atgccaacaa gtccgaggaa gatatcttga tgcgcggcga actcgacaag 720
tacgcaacag aaaatgcgga ccagttccag atcacgtacg tgctttcgca cccggcggaa 780
gactggacgg gcgagaaggg gcatgtgaac gagaagattc ttcataaata tgcctttgag 840
ccaggggaga agagtgttgc gcttttgtgt ggtccgccgg ctatgatcca gaaagcggtc 900
ttgccagtat tgaagaaatg gggatacgac gaagacaaga atttgtttgg tttctag 957

<210> 20126

<211> 1623
<212> DNA
<213> A.fumigatus

<400> 20126
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acggaggagt tcatcaagga aggccagcca tggctgatta acgagaagaa gaaagagacg 120
gaagaggggg agaaggggaa gaagaagaaa gagcagcaag aaaaggtagg ggaacagcag 180
cagcagcaga aggagcagga agagggtggg agtgacggct cgggaaagaa gcctgccgaa 240
tcaggtcagg aaggaccaga tcagggcgac gaggaagact cgaagaaacc aaagtatacc 300
ccggagcaac aagcactcct ggcgtatctg aagcaagagg cggagtatat gcagtcgttg 360
aaatcgaatg acggcaaggg ccgttcgcct gcgcggagtt cctctgtgcc aggagagatc 420
gatgaagccg atcaattcac cccagacaac tgggttcctc ggacggacca cttgatccga 480
ttaacaggaa agcatccgct gaatggcgag ccagatctgg tcgagctctt cgacgcaggt 540
ctcatcaccc ccaattacct acactatgtg cgcagccacg gcttagtgcc gcacctcctc 600
tgggagaacc acaaactgga gatttcagcc ggcaagtcgt tgaccttgtt gatggacgat 660
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agaaaggagc tcaatctgat caagcgcagc aaagggttca attggggccc ggcggccgta 780
ggttgtgcat attggaaggg cgtgctcatg cgagacgtcc tgctcatggc agatattctg 840
cagctgatgg acgaatacaa ggacgtgcct ctttgggtga actttggagg ggccgaaatt 900
ctcagcgaag gaaaatacga aacctccatc cctctggatt actgcatgga tccatgcaat 960
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ttgcactggc atgtggacat cgacatcacg cagctccttc gcgctgagca gatcactgtc 1560
cgttgctggg atgtgaacaa gaacacccag ccggaaaatc cgacgtggaa tctcgaaggg 1620
tga 1623

<210> 20127
<211> 438
<212> DNA
<213> A.fumigatus

<400> 20127
agtgcctcct gggatccgtc acccagaaga cgcaagagtt catcaagcac gacgccgaag 60
aaaaagcgaa ggagaaagca aaatcaacaa aagaggagag cgcggttgcc cttaagcgtc 120
acaagttcgt tctctatcct ttcaagccac gtttatcaaa agctcacctc gatcgcagat 180
ggaccgcggt caaattcctc tgcaaacgac cattatcgga agacacgaag tgctacacct 240
ttgagctccc atctagagac aagaagctcg gcctggaaac aggccagcat cttcagatcg 300
gcttccactt ccaggaccgg cttgtcattc gcccatacac ccctacccgg cccatcctgg 360
agtccgaaga agacggcaca ttcgaccttg tcgtcaaaac gtacttcccc agttctgcac 420
aaccaggcgg cacaatga 438

<210> 20128
<211> 801
<212> DNA
<213> A.fumigatus

<400> 20128
acccccttct taacgaactg ccagagttta tcactcacgt tcggagaacc cctcagcagc 60

aacctgtggc tcaactcatg ctatctcctt gccagtgcca cgggacagat cttcttttcg 120
atgctcgccg aagtcatcgg gcccggccct cttctggtcg cagctgctgt cctttcaaca 180
gtggggacag gagtatgcag tggctccctc caattatccg agctagtcgc cggtcgtttc 240
atacaaggac tcggcggagg gggcgtggta tctgtttcgc tgctctgcct ggccgagaac 300
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gccatcctcg gattagtcat gggtagcttg ttgttcgagt acatcgcctg gcgcggcgcc 420
ttctactcaa gcttcttctt ctgtgcgctc ggcatgctcg tcatcccctt tgccatcgac 480
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gtgctagccg taaatgaaac gaactgggcc gtccgaccgt tcttccacag gaacgatttc 720
cgcactcttc ccgtcctgat gatgtatgcc ggcagcttcc tgcacgggtt cacggttaag 780
tctcccacat ctccgaacta a 801

<210> 20129
<211> 651
<212> DNA
<213> A.fumigatus

<400> 20129
acaagaacac ccagccggaa aatccgacgt ggaatctcga agggtgagtg tcgagccatg 60
aaagcaaatc gaaggtgtac ctcgctgaac acaagcagca tgatgaacaa ctgccactat 120
gtcgtcaagt cggaaacctt cgtggagccg acgaacaata agccatatct gctgttccgt 180
caccccgccg aagctgggac gggcgacaac gggtggatga aaccctcgat cgacatccag 240
aaggaagata tccggcgatc agcagccgtt cccgagaagc agttcacccg tgaggagatc 300
gaaaagcaca ccacggatga tgactgctgg atcattatca acgataaagt atacgatgcg 360
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gttcatcaag acacgtcgaa ggaattcgaa agtattcacg acgattatgc tgttcggaaa 480
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cctcctggga tccgtcaccc agaagacgca agagttcatc aagcacgacg ccgaagaaaa 600
agcgaaggag aaagcaaaat caacaaaaga ggagagcgcg gttgccctta a 651

<210> 20130
<211> 582
<212> DNA
<213> A.fumigatus

<400> 20130
agacacgccg gaatctccag ccactcgcag acagtggagc acgaggagcc cgccgagctg 60
cggaagagcc tgtttgacga cccggcctcc cagcccgagg aatgggagaa cgtgttccgg 120
acaaacgtga cgcagctgtt cttcaccacc acggcgttcc tgccgctgct ggccaagggg 180
tccgagcagg agcacggctg gtccagcacg gtaatcaaca tctcgtcgat ctcggggatt 240
gtcaagatct cgcagcatca ttttgcgtac aatgcatcca aggcggcggc gatccatctg 300
tccaagatgc tggcgcatga gattagctcg tccaaactga agatccgcgt aaataatatc 360
gccccggggg tgtttcccag tgagatgacc gcgggggaga gcgatgagaa gcagaaaagc 420
tttatcccca gggagaagta cgagcagaag gtgccggcgg gccggccggg caaggacgag 480
gatatggcga gtgcggtgct cttcacggcc acgaaccagt atctcaatgg gcagacgatc 540
gtggtcgacg gcggctacgt cttggctgca ggcactgtct aa 582

<210> 20131
<211> 441
<212> DNA
<213> A.fumigatus

<400> 20131
gaccgcgcgg accattgcgg cctgccgccg tgcaggcatc cgcttcttca tggtgacagg 60

cgattttggc ctgacggcgg ctgccattgc ccgggacgtg ggcatcttca ctggtaccgc 120
ggagccagac acggtcgacg acctgcggct atccaccagc gacgacgaaa acgagaagca 180
atctctccgc tctcgacgca gtctcctcat caacggccca agcatttcct ccctcagcga 240
cgagcagtgg gacgcggtct gccaatacga agagatcgtc ttcgcccgaa cctcgcccga 300
acaaaaatac cgcatcgtcg aggagttcaa ggcgcgcaac aacgtcgtcg cggtgaccgg 360
cgacggcgtc aacgacgctc ccgcactgcg cactgcggat gtcggcatcg ccgtcgtctc 420
cggcagcgac gtcgccattg a 441

<210> 20132
<211> 3381
<212> DNA
<213> A.fumigatus

<400> 20132
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<210> 20133
<211> 282
<212> DNA
<213> A.fumigatus

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<210> 20134
<211> 582
<212> DNA
<213> A.fumigatus

<400> 20134
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<210> 20135
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<212> DNA
<213> A.fumigatus

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cccatcagca aggagaagga aaaggtccta acgcgtacgc ggcctagctg gcttcccccа 840
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cgcgaagcag gttag 915

<210> 20136
<211> 621
<212> DNA
<213> A.fumigatus

<400> 20136
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gctccggctg cccctatgac tggtttcggt ggttctcagt ccctcaacgc cgtggctggt 540
gattactgga tactcaccac cgcagggaac gaagatgggt tcatgaatga ggtccgagag 600
gcgggtaagg tgcgggatta g 621

<210> 20137
<211> 654
<212> DNA
<213> A.fumigatus

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<210> 20138
<211> 510
<212> DNA
<213> A.fumigatus

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<210> 20139
<211> 951
<212> DNA
<213> A.fumigatus

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<210> 20140
<211> 489
<212> DNA
<213> A.fumigatus

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gtaagctga 489

<210> 20141
<211> 1164
<212> DNA
<213> A.fumigatus

<400> 20141
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gcccagggcc aagggcaacg ggatgaacca gaactcaatg gggacggggg cggtgccgaa 180

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<210> 20142
<211> 2037
<212> DNA
<213> A.fumigatus

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<221> unsure
<222> (1619)
<223> Identity of nucleotide sequences at the above locations are unknown.

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tctgacccca ggcgcctgca aactctgatc tcgtcgcaaa gaaccccgaa gctgcgcatg 1980
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<210> 20143
<211> 300
<212> DNA
<213> A.fumigatus

<400> 20143
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gaacacatca atttcactag gcttttgcaa tcgttaatct cattgatcga gtacatggtg 180
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<210> 20144
<211> 414
<212> DNA
<213> A.fumigatus

<400> 20144
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acaaggcgac gagatttgtc gtggtcttgc tgtcagcatg ttgaaatatt ttgccgagtt 360
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<210> 20145
<211> 657
<212> DNA
<213> A.fumigatus

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catgtcactc agccatgtag ctacagtgcg ggcttccccg ctgctctcct accgggcttt 600
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<210> 20146
<211> 1695
<212> DNA
<213> A.fumigatus

<400> 20146
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accaatctca gcaaatctag gatcttcacc agaagtcaga aggagtctct gcgtctgact 180
atgtgcgagc ttgttgacac tgaagagcgg tatgtgagca agttatacaa ccttgtgcgc 240
gaggtagccg aagaattccg attgaaggca caaggcagag gagcgtccag caccagtcca 300
gacgaagcct ctctggccgc tcttttccct ccctgtctca atgaaatact cgacgtcaac 360
ctggggtttt tggaagtgat tcgtaacgtc ctggaggaaa cggaaaggga tgcgattgcc 420
gatattggag acgatactga gcttccgtcg tccatgtcgc atagaacggc gtcaagggac 480
ggaaaggacc cgattggtgc cgtcgcattt gcgaatgcgc ttctcgaatg gtttccgcag 540
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tcatttatga gagataagaa ctcgagcttt tctaagagag ttgttgagac cggagagcaa 660
cgattacgct cattgctgat ggagcctgtt cagcgcctac ctcgctacag ccttctgatt 720
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cgtgatatca tcaaggatat atgctctctc gacgacccct catccacgaa tcacgaccag 840
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tccaccaagg cattgaacac gtcagatttg gaggtggtca tctctgtttc ctctacaagt 1560
gaggattctt atcgtgtcga catagactcc attgtcgggg ttgcctcctc ggatattgtt 1620
acagtggata gctttgttcc tgtgctttcc aaacgtcgta agttctcgtc ctcttatcaa 1680
accgatggcc tgtag 1695

<210> 20147
<211> 363
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (213)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20147
ctcgcaaggg cagcccccat ctctatcctc aatccgaggt atctcgacga acggagtagt 60
caaagttcga agaaggagaa ggagctcttt atccgatctg aggcccggga cggcgtccac 120
ggacacgtct gctgtatcgc ctcgccagga tctgcggcct gccactcctg taccatcaac 180
caatcgttcc gaaaccgaat tggcgacgcc tcntacacag cccagaccac agaccagtca 240
tggcacagat tctacgaaca gaagcacgtc gcccaccaaa agcaactccc cttctcgatt 300
ggcctcgcca agccgacgat caccgacacg tccagttacc ccaagccgca aagagaacat 360
tga 363

<210> 20148
<211> 528
<212> DNA
<213> A.fumigatus

<400> 20148
caatctaccc attctaggtc ggttccaaac ggtaacggtg tcaacaattc tcgtctgaat 60
gcgaaccgta tgctgcgtgc gaagaagatt ctcgcttacg tggcggaaag aatcgaccct 120
tcatactccg aagacccgca ggaaggcgca ctgaagccgg aagagtatct ggagctctac 180
tgccagaaga tggtgtgtac cgcgtcgacg caagacgacc tcgtatcgtt tgctaacttg 240
aaccagctca tcccacccaa tatgactctg gcgaccatcc gtgctcatat ctggcgatca 300
tcaggcgata tggttctata ctacagagcc aacggaaaga aagagatacc aatgcccggg 360
tcaggtagag aaggcgacca aggcagtcag tcggccgacg caacaaatac gccacatctg 420
tcggagacag caggcatggc gaacggggat ggaggaagtg ctcagcccag cagcgtccat 480
tctcagtcag cgtctggatc tgcttcggtg tctatccaaa actcgtga 528

<210> 20149
<211> 444
<212> DNA
<213> A.fumigatus

<400> 20149
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acccgagcac agggacaatg cgcatccgat tccccagcct acagcagcag cagaagcagc 120
agcaattccc actgcccacc cgcagccctc acttccaaac ccaggtccaa tccctcagcc 180
tgcgccgcat cacagaactc atctccccgc acccgtacaa ccacttcccc ctacctagct 240
tcgagaagtt taccacagaa ctcttcccct cctctccctc atccccacca acggaccgcc 300
tccctttac actgggtggc atcatgttcc atcctttcca acccacctcc acctctgcac 360
ccgatcaaac gaacaacatc agagacgaaa atacatggct cctcacccgc caaccataca 420
tgcgcaaccg cgccccctca atga 444

<210> 20150
<211> 714
<212> DNA
<213> A.fumigatus

<400> 20150
caatgtcgag accaccctct ggaggctgtg taccggtgcc tgaggtgctg gcttggccgg 60
gatcccgccc atcgcccgga ttccagagtg tcatggtctc tacggcgtct cggagagtgg 120
ctcgatggtg atcctccgcc ctcgcgacaa cagcgcaggc gcaccctgtg ctcgttctgg 180
gagcacgacc acatcgcaag tgcagggcaa agacgagggc aaacagccag gcttccccat 240
ggccaccggt ggcattctcc tctgccggcc cctcctcgcc ttccccaagg cctccctcct 300
cgcaacctgc catcaacacc gcattcccta cgtctcagac ccgacaaact tcgatccaac 360
cctcacgccg cgcaacgcga tccgcagcct cgtgtctccg acttttccgc cacgcctgcc 420
gcgcgccctc caggccgcgt ccatcctctc tctgatcaaa tcaagccacg ccctaatcga 480
agacgccatc gcccactcca acaatctact atcgcaatgc cgcctcctac acttcaaccc 540
gagcacaggg acaatgcgca tccgattccc cagcctacag cagcagcaga agcagcagca 600
attcccactg cccacccgca gccctcactt ccaaacccag gtccaatccc tcagcctgcg 660
ccgcatcaca gaactcatct ccccgcaccc gtacaaccac ttccccctac ctag 714

<210> 20151
<211> 243
<212> DNA
<213> A.fumigatus

<400> 20151
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cgggtactgc gatgcgacca aattaaaggc gggaggattt attatgttaa acgacacaag 120
gaaagaaagg aaagtaaggt aaagaagaag aagaagaaga agaagaagaa gaagaagaag 180
aagaagaaga agaagaagaa gaagaagaag aagaagaaga agaagaagca aatgaacgaa 240
tga 243

<210> 20152
<211> 933
<212> DNA
<213> A.fumigatus

<400> 20152
tcgagcgtca ccgcaccagt ggacattcca tcaccgaatg caaagaatct aggaatccag 60
attccgtatg atccatcgtc tctgtccatg cgccctggaa atgaatcgtt tggaagccat 120
acggcgcctg gttttggaat ccatctggcc accactccag gttttctgac gtcttccatg 180
ctcaatactt ccaacaatca ctttggcacc tcgccgggtg atgtcggtga ccatctggcg 240
tcccctcatc ccgacgtggt aaggaattcc atgtccgaca aatccgatta tttctcgtcc 300
ccgagacaac aaggctcaaa tgcggtggat gcgacgaccc ctggagatcc tactccaact 360
gctctgcccc aatcacccgc cgagcctgat aaagaggaga ggaagagaac tggatcgatc 420
tttgggaaga aattccggat ggaattcccc aagaagttgg gtaggacgtc ctcagaggtc 480
aagcctcaag ttccaggagg aaaaggcaaa ggagccccca aggaaccttg gccagtcaaa 540
gaagaaaaag ttttcataaa ccatctgggc ggtttcaacg agagaattcg tcatgaatcc 600
gatgaattcc tcgcgccgaa cccggacaag aggttcgtgt cagccatcac gccaagtccg 660
aataacgaga ccccaatgct agatatccca cctcgtactg ccgttatcat tcaggaggaa 720
tcgggagata ccgctgtggc ctcggatctc tacagaggca gtgttggtag cattggccag 780
gaagttgacc ggcttgagaa gtccataccc atgtggctgg ctgaactact cttaaaggtg 840
agatttcttc agcctttcga atttgaacta tggctaactc ttggcagaac caagtccctg 900
ccaaggaacc cgtcaaaatc gcctttatgc tga 933

<210> 20153
<211> 297
<212> DNA
<213> A.fumigatus

<400> 20153
gagagcagcg gggaagcccg cactgtagct acatggctga gtgacatggg taagccagat 60
gacgatcttg tcaactcgcc agggactaac agccacacag gcttgcaagc acaaattctc 120
gcgctcgaat ggccacaggg cagcagcgtc tccgcgttcg aaacccatgc ccgacgtctg 180
cgctttcagg ctctcggcat agcctgccga gacagacgca tcagcgccct cctcatgggc 240
caccaccagg atgacaatgt cgagaccacc ctctggaggc tgtgtaccgg tgcctga 297

<210> 20154
<211> 1413
<212> DNA
<213> A.fumigatus

<400> 20154
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ggcgtctcgg agagtggctc gatggtgatc ctccgccctc gcgacaacag cgcaggcgca 120
ccctgtgctc gttctgggag cacgaccaca tcgcaagtgc agggcaaaga cgagggcaaa 180
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acaaacttcg atccaaccct cacgccgcgc aacgcgatcc gcagcctcgt gtctccgact 360
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agccacgccc taatcgaaga cgccatcgcc cactccaaca atctactatc gcaatgccgc 480
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cagcagaagc agcagcaatt cccactgccc acccgcagcc ctcacttcca aacccaggtc 600
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cccctaccta gcttcgagaa gtttaccaca gaactcttcc cctcctctcc ctcatcccca 720
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tccacctctg cacccgatca aacgaacaac atcagagacg aaaatacatg gctcctcacc 840

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catgattctc tcaaattgat gggttggtta tga 1413

<210> 20155
<211> 822
<212> DNA
<213> A.fumigatus

<400> 20155
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cgaggacagt tgctctgttg cgatggctgc gtgaactcct tccacttttc atgcctcgaa 120
ccccccttgg atcccgccaa tcctccggag ggagattggt tctgtcccaa atgttccgtc 180
tcacggccca tccgtaagat ggtggataag cttgacagac tagcgaacaa agagtttatg 240
ctacccgcca gtatccgaaa tcacttcgct ggggtcaaaa ctggatctcg acctgaagat 300
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atgtattatt accactggaa tgacgaggga gcctatgacg cgcgaaagat ccgtcgacct 660
gcgcgaccac ggatgattga catcgagatt cttcccagcg aagaggaatc ggaacgaatt 720
gaaaatgaag aagatgtagg aggaggcatc ctttaccgcg tctccgaaaa aggggtagaa 780
gcggctttcc ttgcgaaagt caaacggtca gtcatccttt ga 822

<210> 20156
<211> 525
<212> DNA
<213> A.fumigatus

<400> 20156
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aagcagcaag cagataagta cttcgaagaa gctagagcgc agcgcgatga acttcatgca 120
cgagccgtcg aattctatgc cgcccagcaa cctcgtccct tgccggatgc cgcagaagcg 180
attgacaact cgcgatcagc agccgatcgt gaagctgcca agaatcttct tgctttcgcc 240
gctcagaatc agacagagcc tgcggacgac aattctcgga ttacttttcct catcgacgcg 300
ctgcgagctc aggcacctaa tgatctcccc gaagcacata ctgaaatcga atctctgcgt 360
aacctgcagc agctgattga acgacgtatt caagcgttga gttctcagac tgagcttgaa 420
gctactactg cccaggtctc cgaggccgcc agttcgcctt ttccaaattt tgcgatcgag 480
cacggctcca atatggatga gccggtcgag gcaacttctg cttag 525

<210> 20157
<211> 648
<212> DNA
<213> A.fumigatus

<400> 20157
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aggtacttca aactcctctg ccatctattt tggtggtcta accacgtgca ggtcggcctt 120

cctactggta acaacttcgg cataacggca gccactcctg agaatccaga ctccttcgag 180
atcttcaagt tcgtcgtgca acctaccgct tccggaacga acgcagcacc tcctgctcag 240
ccgcaagcca accaacaacc gattgtcaac caaggacagg ctcgtccagt ggacccccgc 300
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actaacagca ttgcccgcga cgccagcagc cagtcctcta aagcggaaaa tcgccatgta 420
gagcttcttc agaagatggc taccaaggag caggtggcca atcttgacgc ccggttgcag 480
aagatcgagc tgctgctgca gaatattcaa cgtgacctgg aaggcaaaga ctaccgcgac 540
cgcttcaatc agctgcacga gaacctgagg tcgtcgcaca tgagcctagc tgagaatctg 600
caaaacacaa ttctcaatgg taagaattcg atgcgtatcc ctccatag 648

<210> 20158
<211> 2100
<212> DNA
<213> A.fumigatus

<400> 20158
gggtaccgat cacaaataaa agagaataca aacggcaatc gctgccctct cctattggtc 60
gtactgcgaa gcgacctgga cgcccacgcc atggctcatc gacaacaagg actgtcgcgc 120
accttgccga agaacttcac cttcaattcc acaggcaccg aagagcctcg gacgcctgaa 180
catgcatcca tccatgtgga cggaccacct ccacctcctc gccattcgag ttgccgctta 240
cgaagatcgc gcattcgctc ggggaccgac ctcgtcgcgc aggtagagta cgatcgcacc 300
acgcttaccg ccaacccatc ggacatcccg ctgccttcga tcgagttacc tccgtcgtat 360
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cctccgcgtg atcgaatggc tctgaagaca ccccccggccc agatccgtgg cagcccgtcc 480
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gacccttttg caagcggact cttgccccaa gtcagacccg tcaatcaaag tgctacgctt 1980
aaggaccaac agaacatgac cggtgcactg ccgtatgacc caactgagaa gggcatatcc 2040
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<210> 20159
<211> 288
<212> DNA
<213> A.fumigatus

<400> 20159
tatgttacag aaacaaagaa ggtgcaacaa ttgtctcgcg gcgagaactc cccagttgaa 60
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agtttgacgt gtgctacgaa gtactgcgac gtgacattcg agtgccattg cgtactcaat 180
ttatcaatat tccgtcaata tgttataggc tatcaaatgt ctccagaggc acgaacatct 240
atacgccctt cattatttca ttggagactt cgtctagtaa atttgtag 288

<210> 20160
<211> 561
<212> DNA
<213> A.fumigatus

<400> 20160
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tctgtctcag aaacgatgca agcaaaacaa cttccagatc atcatgtaag ggaagcggta 120
aatccacgaa ccggacggcg agagcgtgtt ttcgtcaatc ttgaggccgt atatcctgat 180
tataaggatc caaccaaaga ggtcagcttt gaagaactcc gtgccatgca ccgtggatgg 240
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ggttcagaga gaccggcggg aaatgtgatc gagcaaagtc tggaccaggg attatcagag 360
cagtttagtc aaaaattgaa agtgaaagat gcaggctcac aagggacgca gcgggcgatt 420
gaagatggat tgaacgagag caaagctaac aaagcacgga aaataaaact acgcgaagtc 480
aaaggcgaga cacaaacaag taagcaatat cttgtgattg cagtctcatt tcccaattct 540
gaattcctca ctaaccgttg a 561

<210> 20161
<211> 663
<212> DNA
<213> A.fumigatus

<400> 20161
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acccacgcga gatctactac tccccccgtg gactgtgcgg ctgggcgcaa caagggcctg 120
tcgctcatcg atttcgcccg cggtattgac atgcgagcgt tccagccttc cgtccaattt 180
attgccgact gggagaccgg cgaacatgaa tgtaacgaga tccgcgagat gcggccctgg 240
acgcaccaga tcgatctgta cggcatcgcg ggaaccgtgc acgtcatgct tttcggcaaa 300
tacatcgagt cgacgccggt ccggaagagt gaaggcggca cggtgtccgt gcggacgtac 360
cgcatccgcg agtcgctgaa acggtactgg gaccgcgaga tctggaccga cgttttcgac 420
ctgttactca acccgtgcac cgagcgctgg gcgcgcatgg agctcgacgc cgcgggcccg 480
gatcaggatc tccgcggcgc tgggaaccaa ataatcctcc ctgtcactca ttccatgcgg 540
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ctgcaaattc ggaagctgga ggctgtcttt gccgagaaga agaagaaact ggaacggagc 660
tga 663

<210> 20162
<211> 1314
<212> DNA
<213> A.fumigatus

<400> 20162
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<211> 1743
<212> DNA
<213> A.fumigatus

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<211> 369

<212> DNA
<213> A.fumigatus

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ctggaggtgc gtactgccat cgtccatccg tcacagtctg tctttctaat atgtttcgtg 360
caaatgtag 369

<210> 20165
<211> 756
<212> DNA
<213> A.fumigatus

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<210> 20166
<211> 1299
<212> DNA
<213> A.fumigatus

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<210> 20167
<211> 1776
<212> DNA
<213> A.fumigatus

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<210> 20168
<211> 243
<212> DNA
<213> A.fumigatus

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tag 243

<210> 20169
<211> 840

<212> DNA
<213> A.fumigatus

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<210> 20170
<211> 1863
<212> DNA
<213> A.fumigatus

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taa 1863

<210> 20171
<211> 555
<212> DNA
<213> A.fumigatus

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<210> 20172
<211> 207
<212> DNA
<213> A.fumigatus

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<210> 20173
<211> 339
<212> DNA
<213> A.fumigatus

<400> 20173
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<210> 20174
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<212> DNA
<213> A.fumigatus

<400> 20174
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<213> A.fumigatus

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<210> 20176
<211> 186
<212> DNA
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<210> 20177
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<212> DNA
<213> A.fumigatus

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<211> 294
<212> DNA
<213> A.fumigatus

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<210> 20179
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<212> DNA
<213> A.fumigatus

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<213> A.fumigatus

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<210> 20181
<211> 987
<212> DNA
<213> A.fumigatus

<400> 20181
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<212> DNA
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<210> 20184
<211> 216
<212> DNA
<213> A.fumigatus

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<210> 20185
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<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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<210> 20187
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<212> DNA
<213> A.fumigatus

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gatggagacg attgggatag tgatgaggat gaagccacag ctattggatt gggggagagt 960
aacaagctca caccggcgac ggaggatgga aagttcatca gaagagaggt tgagctcctg 1020

gattcaacgc gagacatagg cttttggttc caacccgata ctgttgaggc aaggatcaga 1080
gtagaagttg caacatcgaa ttga 1104

<210> 20188
<211> 852
<212> DNA
<213> A.fumigatus

<400> 20188
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cgggaaaatg aacggaagca aagagaaact cagaaggcga aggatgaagt cgagcgatta 180
aggcaaactg tcgcaggaaa accaggtgca aaagacagcg gcgcaacagc ttggaaacgc 240
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ctcgctggcg aatggcagac ggtatccgaa cgagttattc gaccagatga cgatacagag 420
gaaggaaagc ctggtagctc tatcggcgtt cggaaacgca agatggaagg cgatgaggag 480
gagcaggagg cgcgacagga ggccgagaga ttcgtgagtc agggttgggg ctcgaggact 540
cggcagtatc ctggggtgca gagcgatgca gacctggatg cacttctaaa ttctaccaag 600
gatgtaaaga aggtcaagtt gtcggcgccg gatgaagggt cgaaagagaa ggctagcaaa 660
gagggtgcta caccaagcaa cgatacggac caggctgcgg ctcaggagtc agaactacca 720
tcagtcaagt ctgagggtaa agaagcggcg cagcttgcta caacagatac cccagcggtg 780
aagcaggaag aggaggcggc acctacagga gttgttttta agaagcgcaa gccgaaggtc 840
ctgaggaaat ag 852

<210> 20189
<211> 192
<212> DNA
<213> A.fumigatus

<400> 20189
gcgtgtctgc taggttgcga cgtcgtatat catccagtgc atcgatttcg cacgcttttt 60
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agcagaatcg gcgaatgggc ctggggaatc gcccaaacaa gcaacttcgt cgaccgaaca 180
acccgctcct ga 192

<210> 20190
<211> 501
<212> DNA
<213> A.fumigatus

<400> 20190
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tacgaccctg tctttagacc gcaggcgtca acaccctctg caattcaacc tgctcccaat 120
cctgctccct cactcgtcgt caatccacag gatccaacgc cttcctatcc ctcggcgccc 180
cctggttacg tccctgcggc atcccagcct tttgctccct ctcttcattc agaatcgcca 240
tccacatcca ccgaccaaca gtacgactac ggcgcttctt ccgctgaccc ttcgttgggg 300
ggcaacaact cgaccaacat ggccagcgcc cagaatgtca ctcagggagg actgcagccg 360
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tccttctcgt gcggtattca tcccttgata ttacattcta gtacattctc acccagaagc 480
agtgaaacga gttcagatta g 501

<210> 20191
<211> 1146
<212> DNA
<213> A.fumigatus

<400> 20191
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aatgggcctg gggaatcgcc caaacaagca acttcgtcga ccgaacaacc cgctcctgag 180
acaattccgg atcagacacc caggcctcct gcagagaatg cccctgagac cgcacctcag 240
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gctccggtac aagcaatacc cgccctcgat acgtcgcttc ctccaattga caagtcaatg 360
ccggctgtcg acacgactct gcccccgata gatacgtctt tacctagtct ggattctaca 420
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aacccagaac ctgctgcttc agagtcgact ggcacagtat ccggggcatc tgagcatctc 600
acatcccacc agtcaggcca cgcttctgct gaaacggcac cctatcaata ttcgaatggg 660
acgtatcaat cgcagcctgc tcaacagccg catcaggcgt cgccaccgca aaaacagcaa 720
gatgtccatt accagcagca gcatcagtcg gcgcaacagt atgcgcagcc gcagccgcag 780
ccgcagcatt ctcagcaaac acatcagcaa taccaacaac ataatcatga tgtgtaccag 840
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gctcccattg ggtcacccat gccctcaaac atgcccccaa tggcttctgt aggccagtat 960
atgacaggat atccctccaa tgtatcacaa atgggtatga acacgaacgc gcagatgcgc 1020
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ttgtga 1146

<210> 20192
<211> 900
<212> DNA
<213> A.fumigatus

<400> 20192
tattacattc tagtacattc tcacccagaa gcagtgaaac gagttcagat tagcgatcta 60
ctggcgctga gaggcattcc tccgccgccc cctcatccta tcacgtctct ccccccgaac 120
cgtctcgaag aaatcaaggc cgtcttcctc gctacatacg ctcccgccat cgatagattt 180
ttcgagactc gctggttttc ggagaaggct ctcggtcact tgttggcgaa tgcgcagctg 240
atggccgagt actctgctct tattgatgca tttaacgatc ggaacctcag cgatcccaac 300
gtcgttgcac agctggagag ctttgaggca tccgtcgttt ggagtaccat gacattgtgc 360
cgtcatgtga tgaatgtgtc gaacggcagc catggaaagg atttcgagct gttggctacc 420
gcgtccaggc tagatgtgat cgaggctctg ataactggcg agcatatgga gagaaatcca 480
ctggcccaat ggcccgttcc agaaccggca gctgatccac ccactcttcc tgatcaactg 540
atgcggagag cattggactt ttggagttcg atcggccact tcttgactct ccatgacaac 600
gaagctagct ctgcaaaaga aattgatgat actctggctc gttgcagaac gctattggac 660
acctatgaga atcgcgatgt gatttattcc attgctattg cccgccacat tggacagcgc 720
tgggcagact tcccgcacag cctccctcag catgtcacca ccaacgaaaa ggatgcggga 780
gccaagctat atgtggcgca gaaattcctt gagcaagaag ccagcggcaa gggcaccaca 840
caggttgtta agcgcatttg cggcatggtt gtgcggtcct ggtacatttc ccgggagtag 900

<210> 20193
<211> 585
<212> DNA
<213> A.fumigatus

<400> 20193
ggtcgcctgg cgctcctcta caaaacgtat ctcagtgatc tgacccccct tccaggcgcc 60
ggatacgacc aaatcgatgt ccacgcctgc agcgctcgca atccgccccc gcgcgtctcc 120
aacgtctcca cagctgtgga cgacgcaacc gccgacgtga acatgttcct gatcatcggt 180
gcgctgcgca acttcaacgc aggcatgcag gccctccgcg aagggaaatg gcggggccaa 240
cccctccccg cactcggcca cgaccccgag ggcaaggtcc tcgggattct gggcatgggg 300

ggaattgggc gcaacctcaa gaagaaggcc gaggcgttcg gcatgcgagt catctaccac 360
aatcgccgcc agttaagcga ggagctggcc gccggagcgg agtatgtgac gtttgatgag 420
ctgctggcca agagcgacgt gatcagtcta aacttgcccc tgaatgtagg ttgtctattc 480
tggctttggc tgggagtttc tgcgggttat gtatgcgtga ttctaaccat ccagagaaga 540
aacacacacg gcacatcatc agcaaagccg agttcgagaa gatga 585

<210> 20194
<211> 714
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (33)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20194
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cccgtgatat ccttggcgac ccgaacctat ctcacccttc ccaccgaacc cgagctcagc 120
gaaggatgcg ctaccatcgt tcctatccag catcgcacta acctgatgga atgtgatgac 180
gacgagtggg aagagatccg gaatttcatg aagagtctaa ctcgcatgta ccacgatcag 240
ggccgcgatg tcattttcta cgagaacgca gctcagccgc atcggaagag acatgcagcg 300
atggaagctg ttccactgcc gtacagtctc ggagaaacct cacccgcttt cttcagggaa 360
gcgatcctcg cagcagactc cgaatggacg cagcaccgaa agctgatcga cacccttgcg 420
aaggcgaagc agggattggg tcggaatgcg tgccgtcgca ctctggccaa agagatgccc 480
tacttccatg tttggtttga attggacgga ggactgggcc acgtggtgga ggatgagcac 540
cgctggccac gcggcgatct gtttgcccgc gaggttattg gaggcatgct cgatctcggc 600
ccagaggtta ttaaacgaca aggccgctgg aaccaaggag gcgatcgcag ggtggaaggg 660
tttaagaagc gatggcggaa gttcgattgg acccgagtgc ttgtggaagg ctag 714

<210> 20195
<211> 222
<212> DNA
<213> A.fumigatus

<400> 20195
ctgccaaata gcagctgtct caccggtccg aggccatccc atgtcccgat tgatgtgtcc 60
tgcctcgcaa ttgacgccga tgctcgtact gattctcccc gcataaaccc ccacgccacg 120
ctcacatatc gcagtcaagc ctttagtgac tttcctcact cgggaaagac cagcacaaac 180
cagaacgaat cccaccgaca tcggaaatat cacctcatct ag 222

<210> 20196
<211> 285
<212> DNA
<213> A.fumigatus

<400> 20196
cccagtctct tcttcgcatc cagcgcacac aagacatggc aatcgctatc cgagattgcg 60
gaactgatca ctcccactgc cacgaaccgc gcagagttcc tgcaggaatg ccgctccggc 120
aagctggacg gcgtcgtcgc cgcctacaga accttcgact ccatcaccat caccggcttc 180
atcgatgagg agctcgtcaa cgcacttcct cgctcagtca gcttcctcgc gcactgcggt 240
aaggtcgcct ggcgctcctc tacaaaacgt atctcagtga tctga 285

<210> 20197
<211> 192
<212> DNA

<213> A.fumigatus

<400> 20197
cttgaagtca cacgcagaca cctcacaatg ggttccaccg gtaccaaacc taaggtcctc 60
ctacttggat ccatcgtcca gtacgcacta gcctctctcc ctgtctctct taattactct 120
tctgacccag tctcttcttc gcatccagcg cacacaagac atggcaatcg ctatccgaga 180
ttgcggaact ga 192

<210> 20198
<211> 378
<212> DNA
<213> A.fumigatus

<400> 20198
tctgaccccc cttccaggcg ccggatacga ccaaatcgat gtccacgcct gcagcgctcg 60
caatccgccc ctgcgcgtct ccaacgtctc cacagctgtg gacgacgcaa ccgccgacgt 120
gaacatgttc ctgatcatcg gtgcgctgcg caacttcaac gcaggcatgc aggccctccg 180
cgaagggaaa tggcggggcc aacccctccc cgcactcggc cacgaccccg agggcaaggt 240
cctcgggatt ctgggcatgg ggggaattgg gcgcaacctc aagaagaagg ccgaggcgtt 300
cggcatgcga gtcatctacc acaatcgccg ccagttaagc gaggagctgg ccgccggagc 360
ggagtatgtg acgtttga 378

<210> 20199
<211> 432
<212> DNA
<213> A.fumigatus

<400> 20199
gctgctggcc aagagcgacg tgatcagtct aaacttgccc ctgaatgtag gttgtctatt 60
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aaacacacac ggcacatcat cagcaaagcc gagttcgaga agatgaagga tggcgtcgtc 180
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agcggcaagg tctactctgc cggcttggat gtcttcgagg aggagcccaa ggttcacccg 300
ggccttatcc ggaaccccaa tgttctgctc gtgccgcaca tgggcacatg gaccgtcgag 360
gtgagactca ctctacagca gcgaagtcac catggcagac atatactaat ccgattgatt 420
tttgttgaat ag 432

<210> 20200
<211> 192
<212> DNA
<213> A.fumigatus

<400> 20200
aacggagctt tcggaaggca aaaagcgtgc gaaatcgatg cactggatga tatacgacgt 60
cgcaacctag cagacacgcc tattcgcggt tctgtgactt cgtacagtgg cctgaatgtt 120
tggtgccagc ttgcatctat tcctgcggtc tatcggccaa atgcgatgtt agtattgaga 180
atccgcaaat ag 192

<210> 20201
<211> 240
<212> DNA
<213> A.fumigatus

<400> 20201
catttaatct tcctgcaact taatacggcc atttattacg cagcctgcac gccattagtc 60
gactcggttg tcaaaggagt ttccgaaaat cgcctctggt gcctgcagtt ggtgtggtta 120

aagggttttg ggctcgtgtc cttgaaggaa cctctctcca aggtcaagaa tcagaagatc 180
ttcctcatct tcatcaaccc actggtccca tccggccgct ttcaccatat gcttcggtaa 240

<210> 20202
<211> 720
<212> DNA
<213> A.fumigatus

<400> 20202
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cagcctgctg ctcatctacc ccatgctctt gaacatctaa cccaagtctt cccagaacaa 120
agttcattcc tcttaatcac actttcatcc tacatccacc caggcacatc cgccgcagag 180
ttgccgtgct cgcggaatcg ggaggttgtg ggattgcgct ggacccctca tcaattcagc 240
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ataacggtgc ttgaattggc agccacggcg actaactacc tgagaggcat cagaaatgga 360
gatacggatc gagtcaacct ccgggatgag ctgagaagca ccacctgcct ggtcgagatg 420
ctcagagacc gcatcgagga tgcggaagac gcagcgacga cgtcgggact tagcagaccg 480
ctgtatatca aggatctttc tggcccagat aagcctcttg ttcagttcca gcgcatcctg 540
gaggacatca tcaagcagct cagcccgcag agtaaactgc ggcaacgatc gttacctatg 600
acatggccat ttaccaagaa ggatatcgcg gagaagcttt cttgcttgga acgcctaaaa 660
agccatttta ttctggtcct gcagaatgac ctcgcgtacg gctcttgccc caccatttaa 720

<210> 20203
<211> 645
<212> DNA
<213> A.fumigatus

<400> 20203
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ccacagagga gcctggttcg gcagacgttc gaaaggtttt tgcacacccg gatatctcat 180
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gatgacatgg tcaattcagt agccttctca agggacggaa atctactagc atcaggctca 420
agggatcaca ccgtcaagat ctgggatact gccacctggg attgcgtgca aatactcgag 480
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ggatcagcgg atgagaccat caaaatctgg gatgttgtcg ccggcaaatg cgtgcaaatt 600
gttgtcttca ccacggggct ggaaggatcc gcggtggcgc attga 645

<210> 20204
<211> 201
<212> DNA
<213> A.fumigatus

<400> 20204
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ccgactcggg tgaaactgta tcctaggatc tacttttacc tggctcacga ttgtacgatt 120
tcaaatatcg aggacgccac caccgattgc ttgtgcttga ctgtgtttgc tgtagagatt 180
gtgttgtggg ctcatcctta g 201

<210> 20205
<211> 279
<212> DNA
<213> A.fumigatus

<400> 20205
ccagtgggtt tcgctaaaaa tttgacagcg gatagctccc gggtatctcc agagcttcgc 60
aacttacaaa acttagaaaa gcactccgaa cgcagcttgg ccttgaaatt taatgttcag 120
atattcaact cttttcgtca tcaggggccc aacggagtcc atcagtgttt tgtatttgag 180
ttgcttggtc cttccgtcga caaggttctc aacgactact atgactttgg agatacgctt 240
gagacagaag atatccttcg catgacggac cagctttga 279

<210> 20206
<211> 2124
<212> DNA
<213> A.fumigatus

<400> 20206
gcagtcatcg ctcgccctca tttaggccaa ataatgtttg cccagatcct cctgaatccg 60
gcgcaggcta ccaagtctaa cctggcgggc atcgctcatg ttacctccag aatggactgg 120
tattgcgccg taaccggaca cctcttgaac aagaacaata ttatgaccgg aacggagtca 180
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gtcatagtcc gccaacgaca ctga 2124

<210> 20207
<211> 444
<212> DNA
<213> A.fumigatus

<400> 20207

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ttgggcattg cgttcggtgc gatgggcgct ctggaggact gcatcgaccg tgcccgcact 180
tatgcactgg agcggaagca gttcaagggc aacccgctgg cgaagtatca gctcatccag 240
aagaaactag ccgatgcagc cactgatgcg gcatatggaa cgctggctgc tactcaggtc 300
gctcggctca aggacgccgg caagagcact ccggagatga tctccatggt caaaaggcag 360
aactgtgatc gagctctggc gaatgcacgg ctgtacgtgt cacccttttcc tcaaatactg 420
ctgctgaaag ttgaattata ctga 444

<210> 20208
<211> 360
<212> DNA
<213> A.fumigatus

<400> 20208
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cacctcattt ccgtcgctgg tggcatttgt gccgcgagag agtttggatt taatgctgac 120
attcctcttc gacagggtga ctcgccatac tcgggaggcg tctttttcct gaccatccac 180
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cccaacatca actcgaatgg cagtatctgt cttgacatcc tgcgagatca gtggagccct 300
gctcttacaa tctctaaagg tattcatcga tgtgaaatga tctattttcg caaatgctga 360

<210> 20209
<211> 186
<212> DNA
<213> A.fumigatus

<400> 20209
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agcgacgaat accatattgg acgacacgtc gccaatctat ttgtcgtgca gacctacgaa 120
ggacagagtg acattcacgg tgagtacccg gcgggatatc atagcctgtc atttcccaca 180
cgatga 186

<210> 20210
<211> 552
<212> DNA
<213> A.fumigatus

<400> 20210
tctacgcttt gttttgggag catccgtata ttccctttct ttgtaagatt gtcaaagatc 60
ttttttttccc ctcctttccc aaagcagacg ccattctcaa ttctttccga acgtgtaacg 120
catgctcgtg tgtcactact gcgaatccag actgcccctc tcccctctcc tttggaatta 180
gatttgtttc atctgccagg ctccggcgat catcttaccc ctctcttggt gctgcaccta 240
ccgcgatcat catccaacat gactgaccgc gatcgatctt cagggaccca gtcttgtccg 300
cctcccgagt tgcctcaact ggtcgctgaa cagcatgtcc ctattcctcc caatgacaag 360
gagacaaagc gcttgattgt cgtcctctct catgccagtt tggagacata tcgggcttcc 420
catggtggtc gcaatggctc gggtcgggat gagaaatact cgttgctcaa tagcgatgag 480
cacatcggtg tgatgcgcaa gatgaacagg gatatcagtg aggctcggcc tgatatcacc 540
catcaggttt ga 552

<210> 20211
<211> 249
<212> DNA
<213> A.fumigatus

<400> 20211

accttccaag aatatacagg gcgagtcgac tccaacgcag acatgcctct gtcccacctc 60
actctgactg tctctcacct accaacatcg acttccttct tcctctcctg cctacaaccc 120
ctagggtatc agtttattgg tcgtcacgat gactatattg gatttggtca gaaatcaggc 180
gagccggcag atttctggat aacagaacag aagccagggt cagtattctt tcggaacatc 240
ctgtcatag 249

<210> 20212
<211> 858
<212> DNA
<213> A.fumigatus

<400> 20212
cgaggacgaa atcatagatc gccagctggt gcagcacatg ttgcttttcc tgctccgtcg 60
aaagatgctg tagggtcctt tttcatcagt gcactgaagg ccggcgcaaa gattcacggt 120
gaaccaaaga cgcgggacac agaatcggga tactatagtg ctgctgtgat cgactttgac 180
ggcaacagca tcgaggctgt gtaccgtccg ggtatctctg ctaagtcgga agtcagtgca 240
tctccaattg gcttgcttga gaatgggtcc gttgtgtccc gagctagcac gaaggtcagc 300
tccgtcaagc ctcaaagtat cgctccctct gtcaggtcag aggccaagtc gtgcgtctca 360
agggcgacca ctgctgtaga gagagtggca ccgtcagagc gaactgcacc gaccatcatc 420
tcgcgggagg ttcagcaagc gccgtctcct acctatattg tcaaccatac aacccacacc 480
acccaaaaaa aggacgacag cacagccaag acaatcgttg gctcgctcat cggagcggct 540
gcaggtgcag caatcgctta tgcattgacc aaatccgagt cccagtcgca gtcctcggag 600
gccactcctc ctccgcagta cacaccccgg gatttccctc agctggcttc tccatcgcaa 660
gctccctcgc tagctcagga acatcaggac tacagggcga ttgatgctcc tcccgccagg 720
agcaccttct cccggtcaga tgcgcgatcc actctgactc gtagtgtctc ttcgaagaat 780
cctcgtgcga gcacaatata cgaaggcacg gagttcgttc cccctcgggg gagaaaatgg 840
cagtgtgtac ctcgatga 858

<210> 20213
<211> 708
<212> DNA
<213> A.fumigatus

<400> 20213
aagtgggcgt cgtgcctcgg atgggagtgt ctacacggtg aaggatatcc ctctgagagc 60
gatcgagtat ccccccacgg cccgtttcaa ctacgtttcc cgtgcaatcc cagtactctc 120
atcagcagct tcccggataa gtcgcgattc aatgataaag agagcgtcta ttcagcatcg 180
actgccaagc catccaaggc caaccatcag gatcaccact cttcccgcca ttcttcgcat 240
cagtcagcgg ccagatccat ggcggggagc acggcctcgt ccgcacgaac ggcccgtcag 300
gtcccgctgc ccgaagggtc cgtgacatcc tatgcgtcgt accgcagcgg tgcaaagtcg 360
ggtgtctctg cccgtgagat cccgcttccc cagagcgtcg tggatgactt tgagatccag 420
accaatatca cgccggacga ttctataagc caggtcgatt tctcacggag gtcctcctac 480
tcccaccaat ctcaccgctc caaagccccc tctcatgcct ccaaacgctc cagcaaattc 540
gacgaacccg tccaaccgag cgatagcgta agtcaggtct cgaccaatgt atccaagacg 600
tcgcaaagga ccatcaaagc aaacggcagt atagctggcg gagcctccaa ggccccatca 660
aaggctccaa ccacggtcag cagtcggaga ggcagccagg ttgcctga 708

<210> 20214
<211> 504
<212> DNA
<213> A.fumigatus

<400> 20214
tctcttcgct gtttctccac tcgacagtgc cttctcactc ttctcgattc gccgatcaac 60
aaagctggca agctccaaat ctacatccac actgcgaaag gtgtccttat cgaagttaac 120
ccatccgtcc gcattcctcg taccttcaag cgttttgccg gtttgatggt tcagctactg 180

cacagacttt ccattcgttc caccaattct caagaaaagc tactcaaggt catcaagaat 240
cctattacgg accacttacc tcccaactgc cgtaaagtca ccctcagtta cgaagcccca 300
gtcgtgcggg tcaaggacta tatcgattcc ctgggtccca aggagagtat ttgtatcttt 360
gtcggtgcca tggcaaaggg ccaggatgac tttgcagact cgttcaagga tgatacgatc 420
agtatcagca actacagctt gagcgccagt gttgcatgca gcaaattctg ccatgctgcg 480
gaggaatcat ggggcattct ttga 504

<210> 20215
<211> 213
<212> DNA
<213> A.fumigatus

<400> 20215
aagcagcaga agtgcccaaa cacgaaccgg attggagcat cggactcttc gagagagatc 60
ccctcaagct ctgcctcact ggccccatac gactactccg gacaagtctg tctgtcattt 120
actgtcgcac cacaatcatt tggtgatcta gtgggcctaa tctctgcaat caccctctca 180
ggcttttaca gtgtccgata tccaagtcag taa 213

<210> 20216
<211> 300
<212> DNA
<213> A.fumigatus

<400> 20216
actgtcccaa caacgcttct tctgttaatt ccaccatgtc tccaaaaggc atctcacttc 60
caccctctca aatacttcag gaattcttct ccaaaccttc tgtcttttaa cgagcttcgc 120
agtacaatcc cgatggcctc cccacatgca cagactgtga ttaatacaat cgtccgacaa 180
atccccacaa tcacagcttt cacagagatc gtttacgaag acgtcgctcc tgaggacggg 240
gatcttatta ctcgctcgct tgctgagtcg gccgtcgtcg agcagcatag cgcgaggtaa 300

<210> 20217
<211> 204
<212> DNA
<213> A.fumigatus

<400> 20217
aattcttctc acgcaagcca aaaggcacct tattctataa cagtctataa acacgcaata 60
tggtacactc tatatctaga cacaggacct attccgctca agcaacaaga ggcacatcct 120
gcgagccaac attattcaac aagctcaaga agcagttcca tcctatctca gttagcaaga 180
caaccaaacc ggagcaagac gtga 204

<210> 20218
<211> 936
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (167)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20218
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gttcggggac agcgtctatc ggtcattgca tcggggtcca tcggcacaaa cgtcttcagc 120
atcagtagcg gccagacatt gaaaggatgc ggacccatcg acgtggntaa caagcgcgca 180
cgcggcgcga tcgagtcact caacacagac ggagtatcca tccctacctt caccatgacc 240

ggcaacccta acttcgggat gcgtttctac ggtgtcaaac gcctctctct cggcaacatc 300
accatgaagc tgagcggagg actgggtatc cggtttgaac gtgacaaggc cgccaattcc 360
gacgtcagca tggacactat cacggttacc ggagccggaa gtcatgccgt cgagacctgg 420
aacattgacg gcctcaccat caacaaggtc gttgcgcgcg acgtgggcga gtgcggcctg 480
ttactgcaga caacgacaaa cgcgaaggtg ggccttgtgg acggcgacaa cgttgctgct 540
gggactggct acgccacttt ccgcatggct aatgccaatg gccgactcgc tgatgggagc 600
tacaagacga acgtgtttgt ggacaaggtc gtctcgcgcg gtggcggccg tggtgtcttt 660
tgtgtctcgg agtcgggcgg tgttgagatc agcaacgtgg atctggctga caatgggaac 720
aatgctatcc tcattgagaa ctgctatggg gtgtcgattc gtgggggggac tgtgaagggc 780
ggtggtgagg tgcgactggc ggctcgcgac gaatttaaga acaatcgcga tgtgtcgatt 840
acgctgaaag tgaatggaaa cactgtgagg gagaacccct gcggtgaaaa catcacctgg 900
aacatttccg gtgatgccag tcttaatgtc tgttag 936

<210> 20219
<211> 567
<212> DNA
<213> A.fumigatus

<400> 20219
cgactgcggt tagttctaca tcatgtgaaa tttgaatcag ttgttcattg cagacagtgt 60
cttttcgccg ttggagatag cctcgcccaa caagccgtgg aaaaaagggg tatcgctcag 120
catgatgtgg cccgtacggg acgaatggct ttttatgggg gaggtaacgt tcaacccttc 180
ccttacaagt taccgttgct aacggtggta gctgttttcg gtcccctggc cacaaagtgg 240
ttccaggtcc tacagaggcg tatcaatctg ccctctgcac aacggaccgt cgttggccgc 300
gtcgcagccg accagttact attcgctccc accatgatcg gagtctttct gtccagcatg 360
tccgtcttgg aaggcgggag tctcagtgaa aagttggaga gatcgtactg gccagcgctg 420
aaagcgaact ggacagtgtg gccgttcctg cagctggtga actttgcgct tgtgccgctg 480
cagttccgtg tgcttacagt caatgtgttg aatattggta tgattcctat tcacgtcttg 540
ctccggtttg gttgtcttgc taactga 567

<210> 20220
<211> 402
<212> DNA
<213> A.fumigatus

<400> 20220
ctcgtagtga acatgctgtt caggaaaccc aagttaccgc aggccaatcc tgacgcttac 60
taccaggatg acaatgtggc atccgacaca cactcccagg cggccatcgc aggtgaggat 120
ggtcagttag tcgatactca tattcccctc ttgacttggc gatcgttcgt catgggtgtg 180
tttgtctcca tgggtggttt tctattcggc tacgacaccg gtcagatctc aggtttcctg 240
gagatgaaga atttcctgca acggtatggt caaaagaagt cggacgggac gctctacttc 300
tccaacgtcc gatccggatt gatcgtcgca ctggtacgtt tatttgatct cctgtgccac 360
gtgcatctgc tgacgagtga cagctatcga ttggaacatt ga 402

<210> 20221
<211> 486
<212> DNA
<213> A.fumigatus

<400> 20221
ccgggaattt ccccgaacgg gactcacacc gctggggtgg tcatggtggt cttcgcctgt 60
cttttcattc ttgggttcgc gtccacgtgg ggtccaatgg tctggactat catcgcagag 120
ttgtatccat cccagtaccg agctcgagcc atgtccctgg cgaccgcgtc caactggatg 180
tggaactttc tgctagcctt ctttaccccg ttcatcaccg gtgcaatcga tttccggtac 240
ggctacgtct ttgcagggtg tttgttcctc gcggccgcga tggtgtactt caccgttatg 300
gaggggcagg gaagaacgct ggaggagatc gacacgatgt acgtgtggaa gatcaagccg 360

tggcacagct ccaaatatgt ctttcctgac cagacggatc gccgcgacga atccgagaag 420
cgcacggcgg gcacgaatga gcacatggag acgtccggtg ctcagccgga gacagagatt 480
gtgtag 486

<210> 20222
<211> 1131
<212> DNA
<213> A.fumigatus

<400> 20222
cgagtgacag ctatcgattg gaacattgat gggagctttg gtcgcagcac ctattgcaga 60
tcgcataggt cggaaatggt cgatcaccag ctggtcgttg atgatctgtg ttggcatcac 120
tgttcaaatc tcctctccca ccggcaagtg gtaccaggta gcgctcggtc gttgggttgc 180
cggattgggt gtcggtgctc tctccctcct ggttccgatg tatatggcag agtccggccc 240
tcggcacatt cgtggttcgt tagtcaggta ggtcgtcgaa tgtcgtgtgc tgtcagatac 300
agcgctaact attgcagtac ttaccaattg ttcatcacac tcggcatctt cgtggcgaac 360
tgcatcaact ttggcactga agcacgaccc gatactggct cctggcgtat cccaatgggc 420
atcacctacg tctgggccct cattcttggc tctggcatgg ccctgttccc ggagagccct 480
cgatatgact accgacacgg taaaatcgac aaggccatca ccacgctctc aaagatgtac 540
ggcatcccaa agaaccaccg cgcgctgaat gtcgaattct atgatatcaa tcataaatat 600
gaggaggaag tcgctagtgg tcaggtcact tgggttcacc tcttcaaggc cccacgtatg 660
gcgtaccgcg tggcggtggg tgtctccctg caagcgcttc aacagctcac tggcgccaac 720
tacttcttct attatggaac gaccgtgttt aaaggtgccg ggatctccaa cagctacgtg 780
actcagatga ttctcggtgg cgtgaatttc ggaaccacct tcctaggcct gtatctcatc 840
gagaactatg gtcgtcgtcg ggtccctcat gccggtgccc tgtggatgtt cgtatgtttc 900
atggtcttcg cctccgtcgc caacttctcg cttgaccggg aatttccccg aacgggactc 960
acaccgctgg ggtggtcatg gtggtcttcg cctgtctttt cattcttggg ttcgcgtcca 1020
cgtggggtcc aatggtctgg actatcatcg cagagttgta tccatcccag taccgagctc 1080
gagccatgtc cctggcgacc gcgtccaact ggatgtggaa ctttctgcta g 1131

<210> 20223
<211> 264
<212> DNA
<213> A.fumigatus

<400> 20223
cagctatcga ttggaacatt gatgggagct ttggtcgcag cacctattgc agatcgcata 60
ggtcggaaat ggtcgatcac cagctggtcg ttgatgatct gtgttggcat cactgttcaa 120
atctcctctc ccaccggcaa gtggtaccag gtagcgctcg gtcgttgggt tgccggattg 180
ggtgtcggtg ctctctccct cctggttccg atgtatatgg cagagtccgg ccctcggcac 240
attcgtggtt cgttagtcag gtag 264

<210> 20224
<211> 438
<212> DNA
<213> A.fumigatus

<400> 20224
ttaagtcctg tcctgatttt cttcggagga atggttcaga tattcggtgg gattggggaa 60
tggatcattg gcaacacatt ctcatgcgcg ctcttcttca cttacggtac gcatgtccat 120
attaaatcca aggcatggca aaatatttat acattcgtta caggaacatt gtggatcgtc 180
cagggaacga cgctcatgcc cttgttcgat actggaatcc atttctcgtc cacgggcaac 240
ttcctcgagg gacagcagac acccatgtat aacgccagca taggtttgtt aaacaaatgg 300
caaatggcat tggcattggc tatggttgac cggttcaata gcattctatt ttgtggccct 360
gacagtcata accttcatat acatgatatg ctcccttcga accaacgtct gcctcttctc 420
cgcgctcttc ttgcttga 438

<210> 20225
<211> 612
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (458)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20225
tgtgcaacag ccgtccacaa gcctcaaggt gtcacatcgg ccgacgtcat ccgaaccctt 60
cagcaccatt ttaacccctc caagctcttc aagccctggc tcgaagagga gcgcgcgcga 120
cggaacagag agagcagcta ccagcgcaac aggcgccgct cgaggcgcct ggacgtcaaa 180
atcggacatg gaggtaccct cgacccattg gcgactggcg tgctagtcac gggtgtgggc 240
aagggtacga aaagcctcaa cgacttccta gggtgcacga agacatacga aacagtcgtg 300
cttttcggag ctgagacaga cacctacgac aagctgggga agatcgtccg acgggctccg 360
tacgagcaca tcactcggga ggcggttgag aaggcgctcg agcagttcag agggaagatc 420
atgcagcgtc cgcctatttt ctcggcgctg aaagtccnag ggaagaagct ttacgagtat 480
gcacgggaaa gcaaggaacc tccgattgag atccagtcac gccccgtgga agtgagcgat 540
ctgcgcatcc tcgagtggta cgagcctggc acccacgaat acgagtgggc ccagggaaga 600
ggctgccggt ga 612

<210> 20226
<211> 192
<212> DNA
<213> A.fumigatus

<400> 20226
ttccataagg ttcacggcag gagatattct cactgcaact gggcgatcag taacaagcga 60
tggctctata gccaaggcaa ttcggtcaac tgcagtcatt tttctgcgtt tgatagttat 120
atcagccaag gtgcggacta tctatctagg catttctcaa tagcattaat gctccagctg 180
aggtattgtt ga 192

<210> 20227
<211> 654
<212> DNA
<213> A.fumigatus

<400> 20227
gcgatctgcg catcctcgag tggtacgagc ctggcaccca cgaatacgag tgggcccagg 60
gaagaggctg ccggtgagga gaaggaagtt gcggaaaggc ttctggcgaa ggatgatacc 120
ctacccgtag ctccggccgc tgagaacgaa gtcccggcag aggatagcgg agaacaggag 180
acatcaacag gtacaaaacg taagacaccg ccgcctgctg aggagcccgc aaaagacgag 240
gaggacgctc cttctgccac tgataccgag ctcgctccat cggcggcgaa gaaacagaaa 300
atcaccgcca atggcgactc agcgccggcg caggatgagc tctcagatgg ttcctcggaa 360
acagttaccg cgtcagcaaa tgaaccctcc cctcaacctc ctgctgtgaa aatcaccatg 420
accgtctcgt ctggtttcta cgttcgctcc ttggcgcatg atctcggcaa ggccctcggt 480
agctgtggtc tgatgagctc gctcatccga acgcgccaag cggatttcga gctggagtcc 540
gacaaggtcc tcgagtataa agatctcgaa gctggcgagg atgtttgggg tccgaaagtc 600
aaacgattcc tagaggagtg ggagaagaag agagcggaag cgaacaccaa ataa 654

<210> 20228
<211> 3105
<212> DNA

<213> A.fumigatus

<400> 20228

cgcggacttg tttgtgtagc ccgaaccaca gtgcagtttc agtcaatctt ggacaagttc 60
tcgccccatg atactgtatt ctccttcaca aagtcagcag atcttaccga gagtgcactg 120
tcttctgcgt gcctgttaca tgctgcgtca ggttctatca cctcctcttc aagctccctc 180
cgccgtcgca ggctgatgga aattgctgaa gatgcagagg aaaacaatac gaccaaggac 240
cagacgcagg tcccatctcc acatccggac aatcgacaaa ggtcaaccag ccatgtatcc 300
gaagccaccg tagtgccccc atcagtcact tcgaacgctc gagaagcccc cattggcgac 360
gaatcgccca ccgtcgcaaa tatcacccac aattcccaag ccagtgatca agtgtccatc 420
tcctgggata gcagatccga gcgccccgct tcacgacgaa gacttgagga tgacatatcc 480
tacgcaccat cggagtcgcg gaggtctaca cagtcggcca ggccgtcgct cagggacctg 540
gagcgtgcga ctacctacac cccgaaagtc aagcgtggtc ctcgaccttc agtagacggg 600
agcgggcgtc ctcgcacggc aagtaatctg tctcgaaact ccgagcagcg ggcaataacc 660
tctttaccag ctggtgttag gacatcatcg ctacggaaag gcaacccgag cccaaaccgg 720
ccccgttctc aaggaagtcc agtggcatcc gtttccagcc gaacagcccc ccctgtgcca 780
ccattgttgg tcccaccatt gtcaatgccg atttcacggg cccagttgtc acctggtgct 840
aaatcactga gtgctctctc ttcgtccggc acctcaaacg aaaaggaaag gctgatgaaa 900
gctctccagt tgcgaaaaac tcagatggaa aagcgtgcgg cggagagcaa aaaagatgga 960
aagacgaaaa atggaagatt gaccgatgtt gacgagaata aggagaacat tgatcaggct 1020
gatgacaagt cgaagcatga tcaagaaact gcagcagtgg ccgagcatac caaagagctt 1080
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cctgttactg gctcggacga ggctttagca gtgaccaatc cggccgattc aatcctgccc 1560
caatccattc ctattcccga ctcgccgact tccaattcgc ggttgagctc cactcctgaa 1620
gcgacggtaa ttgcaccttg tcccgccgag ccgcagaatg agttgatccc tgagacctcg 1680
aatgcggatt cgaagaacgt gaaccctcgt aaagacaagc gcaaacctca gctcgagcct 1740
attcaggtcc ccactccaga ctattctgat gacgagaatc tcctttcgga tgattccttc 1800
atggaagaac tgaagagcgc cactgtcgag gaagcgaagc ctgtttcggt cggaaagtcg 1860
ccgttgtcgc cagtctaccc gaataacaat gaccagataa gctctcatgc ttggaagaat 1920
tcacgggcag tttcgaaccc gagcgccctg gggcaccgat ttcacagcat gcagtcactc 1980
tctggggaga gatccgtctc tggtccttgt ggagacgtgg atagcgcagc aggtcctgtg 2040
cttgtggcca agaaaatcaa tgtatcttcg ggaatctcaa agcgcatcaa ggctctggag 2100
aagttttcaa acagccgcga aacatcatct aactcagggt tgaatttggc tccacctact 2160
gcatcctctt ctttcgaagc tctccgaaag cgagcatctc tgtcattaag tggggccaat 2220
tcagacgcaa gctcaatttt ccggcatggc tctcataccc cagaaacttt ctcccgagcc 2280
cctagtgtta aacgtcgcga ctcacaatct agtacgaatg ctgcatgcac cacgagctca 2340
atttcggtga ctgcccggat agtccgcgac gcaaccaatg cccctagcga ttcaaaatca 2400
gacctcccgg actcgggcgt tctcaatctc caagccagtc ctttgaccgt ggaacgtggg 2460
cctcctgaag agacgattac caaaccagaa gaacgtagta tgtcttcgtc ttctgcgact 2520
tctggtcacc agtcccgggc cgcttcagtg tcacgatctg agagcagatt gtctgtctcc 2580
tctgcctcga aaaaggaaga tgccttttg tcgaagtcga ccagcgattt atcttcgtcc 2640
cccgaggaga agcgggcctc tcgcgcttct cgactcctcc gccgcatgtc atcgataacg 2700
tcaaattcaa agaagagcgt cattggggca ttcagtcctt ccgtcaagga agaagaaagc 2760
aaaccggtcc ctgctgagaa gccgaagact agcgtgagca gcgcggcaat cgatgtcggc 2820
gaggtcaatg ttcagttccc tgacaccctc ctctggaagc gccgattcat tcggatcgac 2880
gacaaaggat atttgatatt gacccctgga aatgtcgatt caagcagccg caacatggtc 2940
aagcggtacc atttgactga gttcagaaca ccatgtatac cagatgaaga tcgtcaagaa 3000
ctgcccaaca gcattttgct tgacttcttg aacggtagca ccctccagtg cgcctgtgaa 3060
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<210> 20229
<211> 411
<212> DNA
<213> A.fumigatus

<400> 20229
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<210> 20230
<211> 207
<212> DNA
<213> A.fumigatus

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ttactaacag atatccttga ttatgaactt tctcccatgc tctggagctt cgacctgcgg 180
tcactgtacc catatatcca gtcatag 207

<210> 20231
<211> 2355
<212> DNA
<213> A.fumigatus

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<211> 303
<212> DNA
<213> A.fumigatus

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cttttacttg ccaatatctc tcatgtgaat gtcgttgagt gctggaacaa ttctaagctc 240
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tga 303

<210> 20233
<211> 201
<212> DNA
<213> A.fumigatus

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gtttctttca ctactgactg a 201

<210> 20234
<211> 2370
<212> DNA
<213> A.fumigatus

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<210> 20235
<211> 4236
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (4223),(4226)
<223> Identity of nucleotide sequences at the above locations are unknown.

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<210> 20236
<211> 519
<212> DNA
<213> A.fumigatus

<400> 20236
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<211> 1584
<212> DNA
<213> A.fumigatus

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<210> 20238
<211> 1533
<212> DNA
<213> A.fumigatus

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<210> 20239
<211> 1443
<212> DNA
<213> A.fumigatus

<400> 20239
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agttatttcc aggttggtct ctcttctagt gatgacaacc gctcttccaa gtcatggctt 180
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gagcgcgacg aggcttcgga catgaatgcc tctttagatt gccctgacaa gaaatttgat 360
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tccgcctgtt ccctttttgca gaaagagtcg gaggaagctg agttggcatc tttgaccccc 480
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<210> 20240
<211> 591
<212> DNA
<213> A.fumigatus

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cttgttggag ggacggacag ggggctcaat ggcgtcgatg gcctcgatga gggtcttacc 180
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ctcaccagta ccggaggcaa tgatgaggat agcgcagtca gcctgggagg taccagtgat 540
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<210> 20241
<211> 522
<212> DNA
<213> A.fumigatus

<400> 20241
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atcctccttc ccgcaaactt ccttagctcg tcattgccca gcgacgtcgt cacagccttt 180
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tcagagcgga acagatttgt ctgcagatgt ggatttggta aaccggccgg tatcgcagaa 420
gtgagtaata tctactttat ttatattgct gctgtttcgt ctccccgtat ttacatccaa 480
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<210> 20242
<211> 183
<212> DNA
<213> A.fumigatus

<400> 20242
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ggtgatcgtg catacttctt ccagctgcag attcggagtg cggatgaacc tatgactaca 120
tttcttaagg tgagtgttta tccgccacag tcatgctggc agctgcatcg tgcgcagtgc 180
taa 183

<210> 20243
<211> 549
<212> DNA
<213> A.fumigatus

<400> 20243
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tcgaggctgg tatctccaag gatggccaga cccgtgagca cgctctgctc gctttcaccc 120
tcggtgtcaa gcagctcatc gtcgccctca acaagatgga cacctgcaag tggtccgagg 180
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caccactga 549

<210> 20244
<211> 501
<212> DNA
<213> A.fumigatus

<400> 20244
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gagaacaacc ccaagttcat caagtccggt gatgccgcca tcgtgaagat ggttccttcc 240
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gacatgcgcc agactgttgc tgtacgttcg caaaattcac cctcaatcaa agatttgaag 360
ctgacaagtt ataggttggt gtcgtcaagt ccgtcgagaa ggccgccagc ggtgccggta 420
aggtcaccaa ggccgcccag aaggccgcca agaaatagag ggctggagag tgaaaaattt 480
tgcttgaaca atcttctatg a 501

<210> 20245
<211> 501
<212> DNA
<213> A.fumigatus

<400> 20245
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ggtcgtcacc ttcgccccgc caacgtcacc actgaagtca agtccgtcga gatgcaccac 180
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gctgcctctt caacgcacag gtcatcgtcc tcaaccacac cggtcaggtc ggcgctggtt 360
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ccggtgatgc cgccatcgtg a 501

<210> 20246
<211> 225
<212> DNA
<213> A.fumigatus

<400> 20246
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accaaccaca ccaaatccac tttatttctc gaagaggttc atcatcttga ggctacacta 120
gaagctatgt atctatctaa aagaaaaaaa aaaaaaggaa acaactattc ttatctactg 180
catctgctgg tgcagcagat accttattct tttatatgta tttag 225

<210> 20247
<211> 186
<212> DNA

<213> A.fumigatus

<400> 20247
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cccctcttca tcacgcatat cgacacatac tccattcagc actggcgaac ccctccttta 120
cccagtcaat gtggggtgta tcagaggagt ggcggtcgat gttactgcga taaaggccaa 180
ttctag 186

<210> 20248
<211> 264
<212> DNA
<213> A.fumigatus

<400> 20248
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tcacgcggcg agccaaccag agagtatccc ctgggggtca accgattcga gtgccggacg 120
tgtccctatc agcatctgct gaagcacggt agacaggaga agaccaccat gaaacaaaag 180
gaggtggaag acgtctttgg tggcaaggaa gagtttgcga atgccgacag catggccagt 240
aagtgctgga tgattgcaag atga 264

<210> 20249
<211> 327
<212> DNA
<213> A.fumigatus

<400> 20249
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cacgtcgatt ccggcaagtc gaccaccacc ggtcacatga tctacaagtg cggtggtatc 120
gaccagcgta ctatcgagaa gttcgagaag gaagccgccg aactcggcaa gggttccttc 180
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attgccctct ggaagttcca gactcccaag tatgaggtca ctgtcatcgg taagctcgac 300
tcgccccgat atgttttggt gctgtag 327

<210> 20250
<211> 861
<212> DNA
<213> A.fumigatus

<400> 20250
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actccaagaa cgatcccccc cagggtgctg cctcttcaac gcacaggtca tcgtcctcaa 780
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cattgcttgc aagttctctg a 861

<210> 20251

<211> 276
<212> DNA
<213> A.fumigatus

<400> 20251
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gccgtgacca tcgagttact tgccagcttg ctccaaggca ctggactatc cgcccaggtg 120
actcacaaca ggacagatag gaacgagcgg ttcgcaataa tacaagaatt caatgagggc 180
agatgccagg ccctcattac atgccgcatt ggactgtctg gtatatctct gcaaggtgtc 240
aacattgtca ttctacacat accatctgag ggttga 276

<210> 20252
<211> 1164
<212> DNA
<213> A.fumigatus

<400> 20252
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<210> 20253
<211> 507
<212> DNA
<213> A.fumigatus

<400> 20253
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cggctttctt tggccgctca ggggtga 507

<210> 20254
<211> 1602

<212> DNA
<213> A.fumigatus

<400> 20254
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cctcacaccg ttggcaacca gacttacagc taccgaggac tagtcgtcgg aggaccacaa 180
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<210> 20255
<211> 501
<212> DNA
<213> A.fumigatus

<400> 20255
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tgttcgacga ctttttggtg a 501

<210> 20256
<211> 618
<212> DNA
<213> A.fumigatus

<400> 20256
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gacatcacct ggtttccctc ctcagaccga agacacaagc aaaagctggg caatttcttc 180
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cttcagaagc atgcttaa 618

<210> 20257
<211> 2940
<212> DNA
<213> A.fumigatus

<400> 20257
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gcatacattt tcctcacgta cgccttgggt gcttctaggg ttgagcgtgt gtctgacctc 540
aagtcggcga gagcaagcct ggaccagcag gccgctgctg gaactggatg cgcctgggat 600
tggatctatg tcgacggcga tgagatggca tcagcaaagg ccacgatcct tggttcctca 660
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ttgattgagt tcatcgatgg cagcgattta ggcttgagta ccagcgtcaa aatagtgggc 780
aatgagtttg tttgtcagag tctcatactt ggaaggctgt ttgggcagtg a 831

<210> 20264
<211> 204
<212> DNA
<213> A.fumigatus

<400> 20264
gggctctcct ctttctggcc tccgtcgcgc aggcgcaatt ccagttcttc gagcacatgt 60
ttggaggtgg tcatcaagaa caccatcaac aaaacacaca aaattctgcc agcgacagtg 120
caagatatca acagctatgg gaaggaagtg agttattaca gagcattttg ctgctcaatc 180
aaaactcgtg gacaacataa ctaa 204

<210> 20265
<211> 3495
<212> DNA
<213> A.fumigatus

<400> 20265
gaccttgcac catcccaatc cctgctggac gaattggaga cggtcgattc tcttcctcct 60
agggtatctg atgataagag tcgcgaaaat aaccaaatct cggactttga tgcatcgtcc 120
actaaaccgg aagtcgttcg acaatcgccg gccaggtcga tttctcgaac agagcatgct 180
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ggccaacccg agcgttccaa ctccgagacc ccatgtgttc caaaaaatcc tcttccatcg 660
gacatccaat caagtggtgg ggtcatggca ctgagccagg tgttcaaggc gacacaggct 720
ccgtcgtctc cattggttta tggtcagcag ccagacctca tgtccgaccg accttctcca 780
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cctgacaacc tcatcaaggt tcccgtatcg cggatctatt tggacacgat cttgtggaat 3240
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caaacgcctt ctgacaggta ttccacgcca gcatctccgg gttcacggct accgcgaagc 3360
attcgcttga tgaacggtat tttcgcgggc atggtgttcg cagtctccta cggcgataat 3420
gacgaagcca aatctcgcat cacaaagatg atcctggaca acgatgggag catcgctgaa 3480
ggacggcttc aatga 3495

<210> 20266
<211> 255
<212> DNA
<213> A.fumigatus

<400> 20266
aatgctaaac gcgaatcatt actgtcccta ccaagttata aaatcccata taaatgtgca 60
atcggcatta ccattcttac tccatggacc gacccaaaga aacgcgaaac gcgaaaacca 120
cgtgactgcc aaagtaatat taccagttta ggaatagaac gtttctactt gggatactca 180
actgaggagt tattactact ccgtacatca gaaacacagg ctacacaagg actttgtgtg 240
attcaccaga aatag 255

<210> 20267
<211> 933
<212> DNA
<213> A.fumigatus

<400> 20267
ctctccgcca agattggagg aaaaagtcgc ggatttccac ctgtgatgag cttccgcagt 60
cctcgccggt tgggcattgg agtgacacca ctttccgtgc agccgacaat gttacaaccc 120
aggctgttag cacccttccg ggcgctggaa cgcacatttg tttcttccct ccgctcgtcg 180
caggcgatac accacccgcc tcgatcttcg ctattcttcc aacgaacccc catctccgca 240
ccatctccga tctcgaaatt cctcctccct ctctctcacg tccgtcacgc ctctcacgcc 300
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agaaccggtg gtgaatatgt tgtccctggt tgcattatct tccgacagcg aggaacgaag 420
tggttccccg gcgagaactg tgcgatgggc agagatcaca ccatctatgc cacggaggct 480
ggctatgtga gatattacct cgatcccgag cggcatccgg accggaagta cattggtgtc 540
tgctttgaga aggatggaaa gctgcccaca ccccggaacg ccccgacgaa acggaggttg 600
aacagaatcg ctgtccctcg catccctgat ggccccgaag tcgttgctca gtcagatttg 660
cttgcaactg ttgaagaggg cacgatgatc tccagcgtgg tggccgccaa tgccaccact 720
ggcccccccgc tgcgtcctgg atacatgtac cgggaggcga actggcagat tggtcgcgct 780
gctgagaagg ccggcatcac cgccaagccc tataagcgca agaatcgttg gctggcctgg 840
agaaagaggc aggctagagc cgaacgtgct gcccagatga agagccttaa gagcaagaag 900
aaggccgcga agaagggcaa gggtggccgt tag 933

<210> 20268
<211> 378
<212> DNA
<213> A.fumigatus

<400> 20268
gactgcgagc attgtataag aacaaggctt gtgcgcattg cagggtacgt ttcgtcatat 60
gggctgaatg ttccactcca gtgtccacta acgtgtgtgt tttctggcca gaccgagtcc 120
agctatgtaa ttttcacgga cgatccggca aaacgatatg aggatttcac ggatgcggat 180
ttctctcaga aagatgataa tctgggaatc aagtacgaga ataatgacat tttcgaggac 240
actgtattac tgctgcggta caactgccct gacaggagtt gtgatgtggc ttgcttgggt 300
tggcctgacc tgcatcgtca cgtcaagagc aagcatggca aagtgatgtg gtatgtactc 360
agttgttgcg cgccttga 378

<210> 20269
<211> 468
<212> DNA
<213> A.fumigatus

<400> 20269
cgatttcact atgtatctct gggaccccga aaactctacc aaacctatcg cgcggctgct 60
aggtcaccag aaggaggtga accatgtcac gttctctcca gacatggcct atattgcctc 120
tgcgggtttc gacaatcatg tgaagctttg gaatggacgg gacggaaagt aagtcgtgag 180
atcggatgtt tcaccatcat tcagcggcta accaggccat ctagattcat cactactctc 240
cggggccatg taggcgctgt atatcagtgc tgcttctccg ccgattctcg cctgctcgtg 300
tcatcgtcaa aggacaccac gttgaaggtc tggaatgtcc gcacaggcaa actcgccatg 360
gacctgccgg gacataaaga cgaagtcttc gccgttgact ggagtccaga cggacagaga 420
gtgggcagtg gaggaaagga caaagctgtg cggatatgga ccaactaa 468

<210> 20270
<211> 1662
<212> DNA
<213> A.fumigatus

<400> 20270
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actatggcag agttgcgcaa acacgagaag tacggcgatg atgtgccagg tgccttggat 120
caaagtggtt tcaaaggaca tcccgaatgt ggattctgcc gcaagagatt ctacggcgat 180
gacgaactct acgcccactg tcgtgaccgt catgagagat gccacatatg cgaccgccgt 240
tcggggagtc ggcagcagca gtactacatt gattacaacg cccttgagga tcattttcag 300
aaggatcatt tcctctgcct ggacaaagag tgtctagaga agaaattcgt cgtttttgag 360
tcacagatgg acctgaaagc ccaccagctg gagtgccacc ccaacggact ctctaaggat 420
gcgagacgag acgcgcggac ggtagatcta tcagactttg acctgagagc accttatcag 480
tcccagagac aacgccgtgg tgctggtcgc ggccgtgatc cgaatgcgga acccctgcca 540
gtatcaagca ctcagccatt aaggagagat gagatagctt atcagcgaca gatggctatt 600
cagagcgcac agtctgtttc tacccgcagc tttggcggcc agctcactcg caatgatact 660
cagactgttc gcgcgccagc caggtctggc gctgcaacac cggttcgaac acctcccgcc 720
ggcccgccag ttgcggaaat ggaggctctc aatgtcgggg ctccgtctgg gcctgccact 780
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ccaggcccag gaggccaaat cccaggcatg tcatccggca cagtaaatgg aagcggtgtc 1140
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gcacctaccc cctcccgcac cgtgcagaat acaaatgact ccgaggcatt cccggctctc 1440
cccgcagcgc cgaagccgaa cgtgcttatg gcgggcctca ctcgcgggac agttcgatgg 1500
gatgaccgac agcccccacc tgtcaatgct tgggcatcgt ccaccggaag tggttccgcg 1560
tctgtgaacg ggcctgagga tgaacacggg gagtcgtcgt cagctggagg gaaaaaaggc 1620
aaaggcaaaa aaggcaagca gacactattc cattttgggt ag 1662

<210> 20271
<211> 1083
<212> DNA
<213> A.fumigatus

<400> 20271
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gaagatacca ttcaccttta tttcacgccg caggccgttt tccgggttaa agctgtttcg 180
cgatgctccg cttcgatcgc cggacacgga gaggcgattc ttgcgacatc cttctcccca 240
gtttcttcgt ctaccatggt ctcgggaagc ggtgactcga cagcgcggat ctgggattgt 300
gacacaagaa ctcccaagca tacgcttaag ggccacacca gctgggtttt ggctgtgttc 360
tactcgccca acggagcaat gatcgcaact ggaagtatgg ataacactgt gcgactgtgg 420
gacgcggcaa aaggaacagc tttaggagga ccacttaagg gccatgcaaa gtggattacc 480
agtctggcgt gggagcctta tcatacgcag gaaattggca ggcctcgatt agcgtccgct 540
tcgaaagact cgacggtccg catatgggat gtggttggaa aaaggattga cactgtcctc 600
acgggacaca agggctcggt cacctgcgta cgctggggtg ggacagggaa gatttacact 660
tcttcccacg atagaacgat caagatctgg aacgcacaga acggttccct gcttcagaca 720
ttatcagccc acgcgcatcg cgtgaatcac ctggcgttgt caacagactt tgctctccga 780
acagcttacc atgaccacac cggcaaggtt ccaggatcgg acacggagaa ggtggctgta 840
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gcgcggctgc taggtcacca gaaggaggtg aaccatgtca cgttctctcc agacatggcc 1020
tatattgcct ctgcgggttt cgacaatcat gtgaagcttt ggaatggacg ggacggaaag 1080
taa 1083

<210> 20272
<211> 312
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (43),(264)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20272
cgctatgaaa acaactggat tgcagcgcca ccattcattc cantacagaa cccctaccaa 60
aaggatcaag tatactggta cgcagcaggc tgcgacgaca tgaacgggat aaccgtcgcc 120
acgaacggca cacatgcagt gacattaacc cccggcacag tcgcattttg caatgccgca 180
aacaccctcc acctattgat cggcacggga caagccacga agtcacgcgc ccccatgcct 240
ttgaaatgcc aggccccgcc ggcntgggag aagggacccg tagacgcgcc gggagggata 300
gagggcgagt ga 312

<210> 20273
<211> 246
<212> DNA
<213> A.fumigatus

<400> 20273
agactctgct tcttttgtgc gttaaacgtc gcacacagct cggtttcgcc gtgcaatcac 60
cggacttgtc acatctgtgc tttgagactg cgagcattgt ataagaacaa ggcttgtgcg 120
cattgcaggg tacgtttcgt catatgggct gaatgttcca ctccagtgtc cactaacgtg 180
tgtgttttct ggccagaccg agtccagcta tgtaattttc acggacgatc cggcaaaacg 240
atatga 246

<210> 20274
<211> 240
<212> DNA
<213> A.fumigatus

<400> 20274
cgtctgtcag ttcccttgct ctatattgca gatactaggc aatggctgac atcgcagctc 60
atcctcgctc ccacaaaacg caccttttcaa tacgtggagc aatcaggtaa caacgtcatc 120
atgctcaaaa cgtatgtatc atcaatcaac tcaatatata aagcacttgc gacagctcag 180
agtagccttc tcatgactat acgagaggta taccctggcc caatatatac tgtctgctga 240

<210> 20275
<211> 540
<212> DNA
<213> A.fumigatus

<400> 20275
ttgttcgaag tacacaatcc gccattctcc tcttccacct cttgtgctcg catttctgat 60
gatagtcttc tgttggttgt taattctgcg aggatgatga gatcattgtc ctgtgtttcc 120
tcctttggag atgctagttc ttttacagct cttacctcta gacaggatag cgaccgaccc 180
cggacagcaa ggccagccac aactgctaca agtattgcat ctcaggacat catatgtgca 240
atcagcgagt ctagaggagt atcatcaact gttgggcttg cattcgtcaa tctttcaaca 300
gccgaaacag tgttatgcca gatctgtgac agtcagacct atgccaaaac ggtcaccaaa 360
atcgctgttt ttgaacccac agagatcctg ttcatgagct ctgccagaga atccaaactc 420
ttttacatca tccaggaaaa cattccagat actgcttaca cgttcttcga ccgcaggtat 480

tggtcagaga aggctggcca cgaacatgtg gatcgcctgg ccgtttccgc aagatgttga 540

<210> 20276
<211> 378
<212> DNA
<213> A.fumigatus

<400> 20276
ttccagaagg tgctaaagta catcgaactc gagcttaacc gggtatttac atcacattct 60
ctgcgaatca gatttgaacc ttctcaaggc tccatgtcaa tggacttgtc aaccatagtc 120
tcacttgaat tgattcagaa tcttcagaat gcaaaatcgg aggatagcct ccttggcctg 180
ctcaatgaaa ctttgactcc aatgggtgcc aggctcctta gggccaacat tttgcagcca 240
tgtacagaga agtcgaagtt gttggcaaga tacgacgccg tcgaagatct ttcaaccaaa 300
gaggatatgt ttatctctgt cagacaaggt ccgttccagt ttgatctgat ctgctcgaaa 360
aaaacactaa tctcatga 378

<210> 20277
<211> 1407
<212> DNA
<213> A.fumigatus

<400> 20277
agaagcaaat gtagatgccg cggaccttct tggccaaagt atcaggtaca ttacaatggc 60
tctattttct tctggtcgat attaattacc tgtccttacg cagaatcgca caacctcact 120
ctagacctca agttcgattc ggctcgtcag tattatatca gtgtgtccgc ttcggaggta 180
aaaactctct caggaatctt catcaacata taccgcagga aaaatcgcat agaatgccag 240
acccttgacc tcgtcaagct gaaccagaag attatggacg cgcataatga ggtcatcaac 300
atgagtgatc aaacgattca aagccttatc aacgatgtct gctcggaaat atccgtcctt 360
ttcaaagtga gcgaagctat agccatgctc gatatgcttg ctgcctttgc ggagctcgcc 420
acttgcaacg aatacatccg gcctgaattg acggatgtcc ttgccatcaa atctggacga 480
cacccaattc gtgaaaagat ccatacgaag aagttcatcc ccaatgacgc ttatgcaacg 540
cagcaatcgc gtttccagat aatcactggc tcgaacatga gcggaaaatc cacttatatc 600
cgctcacttg cactgatgac catcatggcc cagattggct gtttcgtccc agcagaatat 660
gcatcctttc cggtaatgca ccagctcttc gctcgggtct ctacatccga cgatctcgag 720
gctaatgtct caaccttcgc cgcggaaatg cgcgaaatgg cgtttatcct ccgtaatatc 780
gagccgcgga gcattgtgat tgtagacgaa ctcggccggg gcacaagtac tactgatggc 840
cttgcgatcg ccatcgccat tgctgaagct ctcatcgaaa gccacgccct cgtctggttc 900
gttacgcatt tccgtgactt ggctttgatc ctggcggagc gcaacggcgt ggtcagtctc 960
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gaaggaccag tcacaacgca attctacggc cttgcggtgg caaagctcgt ggatctgccg 1080
ccaggtgtgc ttgaacgtgc tcagacggta tcggagaagt tgaacaggat agcacaacgc 1140
cggcatagca ggtccaaggc gctcatgcta tcacgtaaac gtaacctact tctttcgttg 1200
agagagcagc tcttacaagc gcgcaacgga acattggaag gggacgctct tcgagaatgg 1260
ctgaaggaat tgcaggacaa ttttgtactg cgtatggccg ccatcgagga tgagaccgct 1320
gagatgaaca atgaagaagt cgattatgat tcaaatactg ctccggccga aagtgcgcaa 1380
gataactttg gacaactgtc ttcctag 1407

<210> 20278
<211> 3069
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (239),(1150),(1168),(1192)
<223> Identity of nucleotide sequences at the above locations are unknown.

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09/417507
10/14/99

<400> 20278

ctttggaaat caggatcttg taagaggcct gattgccgga gtacgtttcc ttctggtgag 60
tgtcctgagt cgaatgatcc aaagacaagg caattgacag cggtccagga aaaatcagaa 120
tgtctcaccc gcgactcgtt ccttgtccga aggcacgagg gtctgcgaag aaaccgaaaa 180
gcattgcttt cggacctaac agcgcttgtt cgtacaacta agagtttcca agtgattgnt 240
agcggaaacc ccttacaaga cgaggtcgag tacatggtcg atgagatgct tctcaaagcg 300
ttccgcgttg tgacccgcgg tgtgcggttt ctcgatatct ggaacgagga ggttggtctg 360
agtcgaacaa tcgcggagct ggcgcaaagc aaggatcata cttctcccct tacacgtgca 420
tccgagacat ttgtcatgtc ggaaaaggcc ccctcggagg ctgagactga acgaaacgag 480
tcgcgagttc tcaaccgcag ccgcatgtcg atgagttgct gttccacccg ggtagacatg 540
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attacgccgc ggccgaattt gcagcctgag tctagcgcct cctctatcat ggagaacgcc 3000
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aatagttga 3069

<210> 20279

<211> 654
<212> DNA
<213> A.fumigatus

<400> 20279
ccttcgcgcc ggctaatcgc tatcggaacg agaaagcgaa cgaataggtc gctagagaat 60
agagacatgg aaccaatgaa gcgacacatt gcgccgttaa aagtcgaaaa gacaatcacc 120
aatccttgcg ggtcgaccac ttcagagtct ggagaccctt ctagcaatca tcactattct 180
acacagcaca gtctgcagtt gtcaccacct ctgacgcctt actgcgcaac ctcgtccaaa 240
gacaacagca tggatcggac ggaggccccc agggccgtct tccacaacta tctacgcgca 300
ttctatccgt tccatccgcc gggagatgtt tcgccggata cgattaccct gccattggac 360
caaggagata tcattctggt gcactcggta cacacaaatg gctgggctga cggaacgctt 420
ctggacaccg gagcccgggg ctggctaccc accaattact gcgaagccta cgaccagcta 480
cctatgaggc ctcttctgaa ggcattgacc gatttctggg atattatccg aggcggatgc 540
gggtcgtctc ttcgtgactt tggaaatcag gatcttgtaa gaggcctgat tgccggagta 600
cgtttccttc tggtgagtgt cctgagtcga atgatccaaa gacaaggcaa ttga 654

<210> 20280
<211> 237
<212> DNA
<213> A.fumigatus

<400> 20280
gcgcaaagga gacaatattc aaagctcaag ggtgcaacat caaaagaatc gactcaagac 60
caagtctacg tccaccttcg ccgactgatg gatgtgatta tgtcagcgtt ccaggtcgcg 120
tctgctcaaa acaaatctat caacttatcc aacgccaccc caggtcagtt cagtctacca 180
acgtctaccc cattttcccc ccaattgagt cgctgtgtac atggctcctg ctgctag 237

<210> 20281
<211> 234
<212> DNA
<213> A.fumigatus

<400> 20281
aggaaatcag tgcaaacaca tattctatgg tatgtcgacg acatttcttt caacattgtg 60
accttgtcta ctcttctttc gtactggcgt tccgtctcta ttctattctt acagtcgcta 120
actactatgg cctatcaagt cctaataaac gctcttaaag ccccggcaca tctacagtat 180
cagctggcat tcttatcctc ggtaagcgtt cgcgcaaagg acgcagttgt atga 234

<210> 20282
<211> 228
<212> DNA
<213> A.fumigatus

<400> 20282
aaatgcaaca tctgcctcaa gacgtacagg tatggaattt ctgtggagga aggtttcata 60
tatatgagct tagattacat tgaagagcac agttatcaag agatggtagc attagcagta 120
gtattcaaac ggctaccttc tcttggtgct gttatgccgg gccagtcatc tctatccgac 180
gtcctcctcc tgccgcgagg attccccaat gaccttggta ccccatag 228

<210> 20283
<211> 1374
<212> DNA
<213> A.fumigatus

<220>

<221> unsure
<222> (1166)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20283
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gccgccagtc tacccaacac tctgcgtctc ccctcctcga cctcgtctct cataaagtca 120
ttctcacgac tatcacgcca cgctctgctg gacctagtct tccagtggct cgatgatcgc 180
aacgcacaat tgtttccacc atatcttcag aaagacgaga tcgagaaccc cgccgacgat 240
aaactcagcc cgtacccggc cgccgaaacg atcgaggacg tccggaatgc ttaccaggat 300
ctacaagaca ggaagggcgg caaacgcgaa gtgattgatc gtatattgga gggcgactgg 360
cgacacggta tcaccctgcg acaactggca atggtggaca ttcggtacat ggaagatcat 420
cccgcaagtc tgcgatggac agcatttgaa ctcagtcgca ttggcatgga cggaactcaa 480
tccgcaggag caacaacgcc cgacgtttcc gcatgtctac cgcgcatcca cgccaccacg 540
ttcctgagca accttcaaca gcagatttct cctctggtga aagcgcatta ccatctcgtc 600
cgctcgtcct cgcttccgct ctcgttcttg cgcattctag tgaccagttc tccataccaa 660
aaccctcgcc agccacctga ggctctgatg gactcatctc gagtgatgta cgtggctttc 720
cccgacagtt gccctttcat ctacacgtcc atagcaacat cgcctgtcgc aaaatccaat 780
acaaccacca accatgccgt cgcaaccgat gctcgaagtc tgcagcgcat tgtccgagac 840
gctttaccca aagcattatc acgacctcaa gagcgatatg ccctgaaagc gacctctcta 900
acagcgaaga acctgcaagc gctgctggcg ctccgtggtc ctggaagatc caacgtggcc 960
catggggcgt tcagtatatt cgcggacgcg gtactcgaag ggagtccctt ggacccacgt 1020
ccgtcggata cgatatctcc cagagagcac ttctaccaag acttagacaa ggagaacgaa 1080
aaccaagagg acggcaacac gagcaaagag acggagccta gttcccatgt tgctaagaag 1140
cgcaaattaa ctgtccattc tcgttntggc acaactggaa ccctctcggc tgcccctctt 1200
gaaccgctcg acgtgcgcct gcttgaaccc acgacgatga ggatgacgaa catgaggtgg 1260
accacacgca accatcagta tcactcacat ttgtcggctc ggacgtcatc agtggtatcc 1320
gcaagctcgc cgaactgggt gtcgttgacc cggagcgtat gccgtcctgg atga 1374

<210> 20284
<211> 213
<212> DNA
<213> A.fumigatus

<400> 20284
acccacgacg atgaggatga cgaacatgag gtggaccaca cgcaaccatc agtatcactc 60
acatttgtcg gctcggacgt catcagtggt atccgcaagc tcgccgaact gggtgtcgtt 120
gacccggagc gtatgccgtc ctggatgacg ggcgaagaag cagtcagcgt agctgtcgtt 180
catcgaggaa aacgtgtagt caaagctggt tga 213

<210> 20285
<211> 339
<212> DNA
<213> A.fumigatus

<400> 20285
ctaacgcgtt ccagacctac atacctccag aaagacaacg aaatcatgcc tcgcggagca 60
gaatacgata acggcatccc ccagtccgac aacgccatcg aggccggcga gacaaaggtc 120
catggcacca actctgctgt atgtcccgcc aaccacctgc agcaccctaa gcacgatgta 180
ttgatattga gtatgatact gacgaacaac agaacgacca cctcgatcgc gtcaaccgca 240
cagctgatct ccccgatgtc cctgccggcg gcatgcacag cggcggcggt gcccccggcc 300
actcgagcgg caagggcggt catgagcctc gtaccctag 339

<210> 20286
<211> 489
<212> DNA

<213> A.fumigatus

<400> 20286
aatcgaacgt acttctccca aaaaccacgc taccaggtaa ccgaagacaa tggcctcatt 60
ggtctccgta tccgacgcgg gagacggaat accggcgata ttccagaggt cgcccttcca 120
ctcatccagg tacttgtatc cagttcctgt atcgatgagg agaacccgag gggcaccctc 180
aatcagccag cgaccataca ccatgccaat gccacgctcc ttcatggagt tcatagtctc 240
caccatgcgg gggttcgagg gagtcagctc ctccacctcc acggctgcgg aggcccggtt 300
caaaggcccg atcagggtgt accgatcgcc atattcagct gtagtgaccg gagctttaga 360
tttcagcacg gagtatatac caccgactcg gttggcgact tcagtagcaa tctcaaagag 420
gatgtggttg cgcacatctc tcttgggagg gtcgggacca gtatcctcgc tgtccatcgt 480
gtgccttga 489

<210> 20287
<211> 192
<212> DNA
<213> A.fumigatus

<400> 20287
gatggaggac ggttcgattt ttccccccttc ctgcatagag ccccctcgtg catgcagcat 60
atgatctatc tcgacagcga gtcaagtaac gcatgctcag ctactcacca attgttgttc 120
tctatctgca tcaagaactc ttgcctgatg tgcctgaggt atcttctgtg tacttgccag 180
ttggtggggt aa 192

<210> 20288
<211> 537
<212> DNA
<213> A.fumigatus

<400> 20288
cagggctccg acatgcgcga acccaacaag gaagacgagt caataacttt cctcaccgcc 60
gtccccaaat ccggcttcga gactattatc agcattccgg cgcagacatc ccagaactac 120
ctgcgcgttc ttggcctcaa cgctacaggc cagatcctcg gcgcgacagc atggttgcac 180
tgggatccgg agtctgagga agtcgccctc ggcccgggta acagggacag cggcaacggc 240
tcctcctcct cctcctcctc ctcgatcgat gtccgcgcgt tcctgttctt tgcttttggg 300
ttctcctctg ctgttttcct ggctgtgtgt gcgtggtttg tctggcggcg gttctggact 360
caggaagctg accgggaatg ggaacgggaa cgggaacggg gtgggtggaa gcctgttgat 420
gagttcaatg gggatgagca tgatcttagc gaggggggagt ttgagggaat ggagttatcg 480
ttgttgcagg gtaggcggtt gtcgcgttcg gattcgggag gggagtttga tggttga 537

<210> 20289
<211> 234
<212> DNA
<213> A.fumigatus

<400> 20289
ggtacggatg aggagcctgg gtgggcattg gaatataaac atccgagtgc tctattccat 60
cacatctatc tattttataa ccagaattct atttatgatc aagtatatga gaagaaaagc 120
tgttgcgccg tctatctcaa gggagaatca caatcttccc ttccgcttca ttttcttcca 180
tacaccgatg ggcctcgaca atctgttcca tccgcaagac tcgccctatc ttga 234

<210> 20290
<211> 204
<212> DNA
<213> A.fumigatus

<400> 20290
gcacgatgta ttgatattga gtatgatact gacgaacaac agaacgacca cctcgatcgc 60
gtcaaccgca cagctgatct ccccgatgtc cctgccggcg gcatgcacag cggcggcggt 120
gcccccggcc actcgagcgg caagggcggt catgagcctc gtaccctagg cgagaacaag 180
ggtcttggtg cgcataaggc gtga 204

<210> 20291
<211> 1020
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (780),(834)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20291
tacgactact tgaacgggga aaaaatgtcc ttaatgaaag ccatcatcct gcacactccc 60
ggtcccccag acactctcaa gctcactcac catcccatcc caattcctga accaggtgaa 120
ctccgcctca gaatcaaagc attcggcctc aaccgctccg acctcctcgt ccgacaaggc 180
cgcgccaatc accccatcgc ctacccccga atccccggca tcgaagccgt cggcatcatc 240
gacacagccc cgggcctaga agacactttc ccgccaggta gcaccgtagc gaccgcaatg 300
ggcgggatgg ggacagtgtt cgacgggggc tacgccgagt atgtatgcgt tccagcgcgg 360
cagacacagc tcctccagcc taagacgact ctgccatggg agattctggg tgcgatcccc 420
gtgatggtgc cgacggcgtg gggtgcgctg attcggtcgc tgggccttag ggcgagggat 480
cggctgttga tacgtggggg gacgacgtct gtggggctgg cggccgctgc gattgcgaag 540
gcacatgggg cgtatgtggc cagtacgaca aagaaaaaag agcgagaggc gatgttgctt 600
gagaatgggg cagatcgtgt ctggactgac gatggggcgg ttgcggaaca aattcgggac 660
gcggactcgg gctgttacta tgataaagtg cttgagctgg tggggacagc tactctggct 720
gactcgctgc ggtgtgtgaa aaaagggggt gttgtatctc tggtaggcag gttgtgtgan 780
aatggcgatc tggaaaaggt ggacctgatg gagttgatcc cctctggggt caanctgacg 840
gtgtaccacg ggacgtctga agatttcatg aacacgccgc tggatgcggt actgaggttg 900
attgagcagg gaagtttgaa attcaagata gggcgagtct tgcggatgga acagattgtc 960
gaggcccatc ggtgtatgga agaaaatgaa gcggaaggga agattgtgat tctcccttga 1020

<210> 20292
<211> 261
<212> DNA
<213> A.fumigatus

<400> 20292
gaagaggtga ggcaactcat gcccccagcc ctttttcact tcttgctgac tccaggtata 60
gcctaccctt catccttcga tggtcccgaa gactatttcg acgtcattgg aggaacagag 120
cagaagctct cgcgtccatt gtcagtcccc gggtctccac gggatcgatc tggagtgatg 180
actccgggtg attttgctac cattcaggaa gtcaaagagg gcctggacac tgaggactat 240
atcgcatggc gtcttccgta a 261

<210> 20293
<211> 228
<212> DNA
<213> A.fumigatus

<400> 20293
ggccagcttg ctaagtggtc tgtcttgtgt aggcacgcga cgccctatca tgcgcctctg 60
taccttgccc acagcaaggg ttttttcaag gaagagggcc tcaaggttgc tattctggag 120
cctaatgacc cttccgatgt gactgagatc atcggcagcg gcaaggttga catgggcttc 180

aaggctatga ttcacaccct ggctgtatgt agttggtcat gtcgttga 228

<210> 20294
<211> 270
<212> DNA
<213> A.fumigatus

<400> 20294
tggttcgatg ctcacagtca ccaggccaaa gctcgtaact tccccgtcac ctcgatcggc 60
tctctgctcg acgagccttt caccggtgtt gtctatctca aggatagcgg aattaccgag 120
gactttcggt ccctgaaggg caagaggatc ggttacgtcg gagagttcgg caaggtttgt 180
ggtgtatttt ctttctccgg aagaagggca tgcactcatt ggggtgttca tagatccaaa 240
tcgatgagct caccaagtac tacggcatga 270

<210> 20295
<211> 1236
<212> DNA
<213> A.fumigatus

<400> 20295
acatatccat ctttcttgga caggctgtcg acattggtca gtcacaaatc aacgaaggaa 60
ttgaagttcc ggtcggaaca gacatctcaa ttgcccaagg gggagtttct ccggtatttc 120
acactgaatc gacttttgc cgacgaatgc gaggctatct ctgggagaag cggcacggcc 180
atgaagactg ttgtcagcaa ccagatccgc gactacatta acagattcgg ggagaaccaa 240
cggcaccgtc tcgtcgacgt gatggactct gaccgatggg acgcgcgcga ttttggggaa 300
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ttagctgcct ctaggatctg gtcgccacag gaggagcaga ccgagaaggc gagacgcgat 420
tctgccgcca ccaatggcac aggcaaggac agggtgcgca gtgctgtgat tgacgagcag 480
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cttatggcca atattcccag tatgatccag gatatcgccc ctggtctgtt ggagtcattg 600
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atcgccttag taccttatat aagggaattc gtgcgacggc atgccccgtc gagccccctg 780
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aaactcgtcg atataatgag cggccggtct tctgtgcacg tcaacgcaat gaagaagatt 900
gactgggacg cggcggcggg aaataacgtc aacccgtaca tggagacctt gacgaaagaa 960
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gtccacacag aagccggtaa acagaggtac ggctctctgc caacttcaag tttgaactgt 1140
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cgacggcttc ggagacttgg gacagcgtct gcttga 1236

<210> 20296
<211> 558
<212> DNA
<213> A.fumigatus

<400> 20296
tctctacgat attgcatact cctacagctt ctaatctaca attcaaggca cacgatggac 60
agcgaggata ctggtcccga ccctcccaag agagatgtgc gcaaccacat cctctttgag 120
attgctactg aagtcgccaa ccgagtcggt ggtatatact ccgtgctgaa atctaaagct 180
ccggtcacta cagctgaata tggcgatcgg tacaccctga tcgggccttt gaaccgggcc 240
tccgcagccg tggaggtgga ggagctgact ccctcgaacc cccgcatggt ggagactatg 300
aactccatga aggagcgtgg cattggcatg gtgtatggtc gctggctgat tgagggtgcc 360
cctcgggttc tcctcatcga tacaggaact ggatacaagt acctggatga gtggaagggc 420
gacctctgga atatcgccgg tattccgtct cccgcgtcgg atacggagac caatgaggcc 480

attgtcttcg gttacctggt agcgtggttt ttgggagaag tacgttcgat ttcagggact 540
cttagggtgc aaaaatag 558

<210> 20297
<211> 1548
<212> DNA
<213> A.fumigatus

<400> 20297
tttatcgctc acgaacgccg gcgtgcagta gtcgctcatt tccacgaatg gcttgccggt 60
gtcgccctgc ctctgaccaa gaagaggcac atggatctaa ccactatctt cacgactcat 120
gcgactttgc ttggtcggta tctttgcgcc ggatctgtcg acttttacaa caatctccag 180
catttcgatg tggacgccga ggctggcaag agaggcatct atcataggta ctgcattgag 240
agagctgccg cacacagcgc agacgtcttc actacagtct cacacatcac ggcatttgag 300
agtgagcatc tgctcaagcg caaaccggac ggggtgcttc ccaatggatt gaatgtcaag 360
aaattcgcgg cggtgcatga gttccagaac ttgcactccc agtccaaaga gaagatcaac 420
gacttcgttc gcggtcactt ctatggccac aatgactttg atctggacaa cactctctac 480
gtcttcacgg caggtcggta tgaattccgg aacaagggag tggatatgtt catcgagggc 540
ctggctcgtc ttaatcatcg cctgaaagcc agcgggtcca agacgaccgt ggtggccttt 600
atcatcatgc cagcccagac ctcgtcgctg actgtggagg ccctcaaggg tcaagctgtc 660
gtcaagtcct tgcgagacac aatcgagatg atcgaaaaga gtatcggaaa acggatgtat 720
gagcgttgcc tagcctggaa agaaggcgac aacatgcccg acgagaagga tttgattaca 780
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ccgattgtga cgcacaacat ggtcaatgac catgaggatc cgattctcaa ccaaatccgt 900
cgcgttgagc ttttcaacta cccgacggac cgcgtcaagg tcatcttcca tccggagttc 960
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atgggcgtgc caagcatcac caccaacttg tccggtttcg gctgctacat ggaagaattg 1140
attgaaaact cctccgacta tggaatttac attgtggacc ggcgcatgaa gggcgttgat 1200
gaatctgtca atcagctgac tgacttcatg ttcaatttta cccagaagag ccgacgacag 1260
cgcattaacc agaggaaccg cacggaacgt ttgagtgatc tgctcgattg gaagcgtatg 1320
ggtttggaat atgtcaaggc tcgacagctg gctctaagaa gaggtgaggc aactcatgcc 1380
cccagccctt tttcacttct tgctgactcc aggtatagcc tacccttcat ccttcgatgg 1440
tcccgaagac tatttcgacg tcattggagg aacagagcag aagctctcgc gtccattgtc 1500
agtccccggg tctccacggg atcgatctgg agtgatgact ccgggtga 1548

<210> 20298
<211> 672
<212> DNA
<213> A.fumigatus

<400> 20298
atccaaatcg atgagctcac caagtactac ggcatgactg ccgacgacta cactgccgtt 60
cgctgcggca tgaacgtcac caaggccatc atccgcggcg acatcgacgc cggtatcggt 120
ctcgagaacg tgcagatggt cgagctggcc gagtggctcg cctctcagaa ccgtccccgc 180
gatgacgttc agatgctccg tattgaccaa ctcgccgaac tcggctgctg ctgcttctgc 240
tctatcctct acatcgccaa cgacgccttc ctggccgcca acccagacaa ggtgcagaag 300
ttcatgcgcg ccgtcaagcg cgctaccgac tacgtcctcg cggagcccgc caaggcctac 360
gaggagtaca tcgacgtcaa gcccatcatg ggaacccctg tgaaccgcaa gatcttcgag 420
cgctcctttg cgtacttcag ccgcgatctg aagaacgtcc agcgtgactg ggccaaggtt 480
accaactacg gaaagcgcct gggcatcctc gacgcgaact ttgagcccaa ctacaccaac 540
aagtacctct cctgggacct ggatgcggac tccaccgacc ctcttggtga ccagaagcgc 600
atggctgagc tgcagaagca ggtcgccgct gagggcgggt tcaagcgcct tcacgtgtct 660
gctgctgctt ag 672

<210> 20299

<211> 645
<212> DNA
<213> A.fumigatus

<400> 20299
tatctgtctg atcacagaaa ttgcgatcca acactgactc ctcaaacagg cccgtatacc 60
cgagcaaggg catcacattc gtccgcaacg atgcgaaatc tttccgattc tgtcagtact 120
tacttttca tccaccccac gcacgacaat agatctaact cggttgcagg tcggagcaag 180
tgtcatgcaa atttcaagat gaagcgtcaa ccccgaaagc tgaagtggac caagactcac 240
cgtgccgccc gcggaaagga aatgattgtc gactcgtcct tggtgctgtc tcagttcgcc 300
aagaagagga atatccccgt caaatacgac agaaacttgg ttgctgctac catcaaggcc 360
atggagagag tggaagagat cagagcccgc agagagcgtg ctttcacaaa acgcaggctg 420
ggcggcaagc tggcccgcga gcgcaagcgc gaggaagacc gcatggtcgt tgcggagggc 480
cgagcacctc atccgcaagg gaactgcggg agagagaaga ggggccagcc tttggatgtc 540
agcaagatat caagcagagt ggtcggcgag gagaagctca gacagaagaa gaagacaaga 600
ttgttggtgg atggaggtgt cgaggaggaa atggacctcg actag 645

<210> 20300
<211> 222
<212> DNA
<213> A.fumigatus

<400> 20300
gcctgcgaca tgtgtcggaa gaagaagatc aaatgtgacg ggaagatgcc caaatgctcg 60
cattgtacca actacaagac ggattgtgtg ttcacccagg ttgagaaaaa gcggaatcct 120
cctaaagggt atgcttactt ctctgctttg cccctgggtg cccatgctga ctttccgtcg 180
cgattagtgc caagtatatc gagggcctcg aaaaccgatt ag 222

<210> 20301
<211> 606
<212> DNA
<213> A.fumigatus

<400> 20301
acacaagtat cttgcaattg tgctaatctg ccacatagca tctgtctccg ttccgggcgt 60
ccgccggtac aagacgatga cgacatgaat gtggaattac caagcgacga tccacccgac 120
aacatcggca atgtcccatt atctgacggt agaagcaagt ttaacctgtt ccgatccatg 180
tgtcgcttcg ctactattga aagcaaggtg tacaaacggc tttattccgc aaaggcgtca 240
aaacagtctg atggagagct tctgaatacc atcggagaac tcgacaagga acttgaagac 300
tggaaggaca gtatcccact ggattttcgg ccagaacatg aaatcaaggc ttcgcacaca 360
cctctcattc tccatgttgt tgtcctacat ttcgcctact ataactgttt aaccaccatt 420
caccgtatgt ctgtgcatca cggttattgg acaagccgtc tctccaatta cgccatccag 480
ggcctgaatg ccaggccctt gaatcctagg gtcttcttat cggcggtact ctgtgtgact 540
gcagccaggg cgtctattaa cctaatcaaa tacattccac agggtgattt cgcctgtgtc 600
tggtga 606

<210> 20302
<211> 837
<212> DNA
<213> A.fumigatus

<400> 20302
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cggccaggca atcttgctcg atattcgagg agagccgcag aatgcataaa tcgcacacgt 120
ccgctgtctg cgcgtgctcc gcagtcgaga ttatcatcgt tgataacggc ccaccgtgtc 180
aggacctatg ctactggaac tcccgggggt ccgaaccccc cgaacgacaa acgcagccag 240

aacaaagcag cgacgggacc ggggaatgac ggcgggaaat ctggagatgg gaagacgccg 300
aacgatcccg aatcctctct tagcaaggag gagcaggaac aagtcaatct attcgtcgac 360
cacctgaaga ataaggtgcc gccatcgcaa catcagatgc tggatgatat ccggacactc 420
ttgctaagag aggggttacc ggcggagatg cggcagttca ttgagaagca cgttcagtcc 480
ggaaggccgg cgtctctgat ggattatgtc aagttaacac gatacatgtc gcagcacatg 540
accgactacg cctacaaact gaaccagatc gaggaggaac ggaataagga gaaagctaag 600
tcagagggcg gtgcacaggg cgagcagcaa aagcaacaac agcagcagga gcagcagcga 660
gagcaaaaga aagggcgaga tcaggcgaac aagcaaatac ctccgaattt tcggaccttc 720
gagatcaagt tcgaccccgc ctcgtttttg atcacctcgc tcatcaccta ctatgtatac 780
cgcagctttt ttccctgggg aaaactgcca aggagatcac atggccagag tctataa 837

<210> 20303
<211> 417
<212> DNA
<213> A.fumigatus

<400> 20303
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caagtcctct ccgaccacct agaaaaatcg caggcatatg ctttaattgg cggaagccgg 120
gtgccctgga attgttccct gggggctaag aacaacaagc aattttctca ggttatttgg 180
gtcgctaagg ttggaagcca gcacatggac tggaaccaag tgcctgggga ttttcaggga 240
aactgggagg tagccgtatg gcatgagttg gttgaggaaa agaaagatct gaccggctta 300
gacgttccca agtgggaccc caactctccg gccccctctg tgactcttgt atggccgacc 360
aagtctcacg tgggcgattt cattgaattc cagcccgagg ttcgttgtct catctga 417

<210> 20304
<211> 444
<212> DNA
<213> A.fumigatus

<400> 20304
cgacgcgcag gcctcctacc tgttcaggga gtcaaggcca ttacctatat tgcaacctgc 60
cctgacaaac aagttgtcct cacattgcta tgctcattgc taaatactgt atgtacagtg 120
gtgtatggtt ccaactattg cctcgtccta accacagtct cacgcagtct atcaagtaca 180
atcctgcgtc atggagggtt ccatatgacc atgtggtctg gaaagattcc aagcagatct 240
tcgttatata ctgtctacaa tttcttcttg gtcttctact atatcctatc ccagagggac 300
ggtcgtggga caccgcccaa gaactattat cgccattact ttggtcggct gcaccgacca 360
caagacttcc aattccttgt cgatggcatg accagaatct tgaaccaacc tgtgggtctg 420
ccttcttcag ccggctatgc ttag 444

<210> 20305
<211> 621
<212> DNA
<213> A.fumigatus

<400> 20305
cgtcccccac caacaagtaa gttagcttca ttgcgtctgg cttacggaga actgatgatt 60
atgatcagtg gcgtcttcga cacttcagtc tcccaaacgc tttacctctt cattgatgca 120
aagaccgatg gacatgagac cttcaaggct gtgattgatg ccttggaacc actacgtaaa 180
catggttatt tgacgactct gaagaataac aggaccatca ccaatgggcc cattactgtg 240
attggcacag gcaacacgcc ttatgatatg gttgcgcctg tcgcaaaccg agactacttt 300
tttgatgctc acctcgagtc cttgaacgag cctgagaatg ccggcatcac agacctgatc 360
tctcccatcg cgtctacaag ctttgcgcgt gccattggca cagtttcgga gggcgattct 420
gaagcgatct tgacagagaa gcagcttagt actctccgct cgcaaatcgc gaccgcaaag 480
gaaaggggca ttggagcaag gtattgggag acgcccagct atcccatcag gacccgtaat 540
tcggtctgga gaactctgct gaaggaaggt gttgcgctcc tgaatgccga tgacctcgaa 600

gctgcggccg gttatttctg a 621

<210> 20306
<211> 762
<212> DNA
<213> A.fumigatus

<400> 20306
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cgacggacgc gagaccatgc attacctaac tttgagacac tattgctttc aataacgtct 120
cgtcttacct ttctgaagaa tcatccgtct tttccagatc ccgacctcgc tcccgagaga 180
gatgttctca actgtatccg cattctcacg cgcatccttc ccttcatcta tgaggctgag 240
catttagaag aatgggagga taaattcttt tggggtcggc gcaagaaaaa tactagagga 300
gctcgaccgg gagcagaagt cctatttgac gaatcgcagg ctgaaggacg ccaggaggag 360
acgttgcctg gaacaaatga ctatgaagat gtgaagccct tggccgagga attgatcgac 420
aacctgctgg atctcttatt ttatacggac tttacgatcc caaagctcgc aacgactaag 480
ggtaaggtat catactcgat atggcaaagc ggtgtcggct gcaatacttc catgggctct 540
agcaaagagc tcgaaagcaa ccggtgcgag attttgcgac tattgcttac attaactgga 600
aaggcgatgt acatgccgct gagtaagatt cttgtcctcg ttatgggacg caacgctgac 660
gacgcgcagg cctcctacct gttcagggag tcaaggccat tacctatatt gcaacctgcc 720
ctgacaaaca agttgtcctc acattgctat gctcattgct aa 762

<210> 20307
<211> 1485
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1395)
<223> Identity of nucleotide sequences at the above locations are unknown.

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gtggctctct tcgcagctcc accaggcgaa gaacccgagt cgactttctg cgagaatcat 180
ttcctcgcag tctccattag tcccaatgaa aacgaggagt cggaagtgat catctttggg 240
atcgaagtgc tggtctacgg caccgcgcat ctgacaacca ttttcgtctc caaagccgat 300
tcaactggct acctgcatct gctcaagaat gcacccaagg tctcacttct cagactgatt 360
tcaaatgcat ttctttcatt tcttgtgcag acccatcaac ggccaggggt tcggttgatg 420
gtgtccctgt ttgcccgagc ccagaatcag tacttgtttc ctgggagcat cgagaaccct 480
gaaaagcatg tcttggatga tcgtgggtta atcaagtggt ggtgtcgagt catcgacccc 540
attctacgag aatatgagcc tgagacgggt tctcatgaaa aggcagtgga tgatcaaact 600
caggagtcgg cgaagagttc agcaacagcc ttcctgattg ttcctggatg cgacaagttc 660
gagactcggg gcttcttccc aatcacagcg aggtctgatg gcaaggatcg accgagatgg 720
ttaaatagct accctctcca tcagctctgc gataacccca acgctccacc acggtgtctc 780
gtccctcgct tcccagatga tcccaagaca cgctttctga tcgacctgga cgatgaattg 840
ccagagtcga cgggagctgc aggctccaag gagaattctg gtcattggcg aagcgtgaag 900
tctcttgcgc agttttggga gatgatgtcc tttcgacagg aatgttcggc cggccgatta 960
gttgggttct tgtggcttgt cattaatccg ccaggccttg tcaattcggt tcagatgacg 1020
agctctcgtg tcgcttcgcg ggatgtcgag aatgttcttt ctgaatccgc aaagacaacc 1080
cacgatgcga ccaagcaaaa ggatgaagca gcgtctgtgt cttctccacc gcacccttcc 1140
acaagtggtc tccagacatc accaatcgcc ctacccggtg tctcgtcttc cgatacccat 1200
gccacagtac agcaagctac gggacccagt gcgttctttt ggccagacac aggccgggga 1260
cacgcagtcc tgagtgagga agactataag gcggcaatca actttctcat cgatcaagac 1320
tttaacacca agcataaggc tatcgccagc accaaggcat gggccgagaa agtcgcctcg 1380

ctcgctgatc agctntgggt tggtcaacgg gttgagggga gaaatgctac gacggagcct 1440
ggtcagaaac atacggacgc tacaactgtc attaacacag ccttt 1485

<210> 20308
<211> 192
<212> DNA
<213> A.fumigatus

<400> 20308
agttataata ccatcaaccc gcgccggtgt cgcttcgcta tgggagcctc ggagtcgaag 60
ttggtcttca agcagggaat cttccgtctg tcagatgaga aggctatccc tgctgatgat 120
ccttactggt ccagaatttg tctctcttac cataatttct catctgatca ctcctcgcta 180
tctactcact aa 192

<210> 20309
<211> 801
<212> DNA
<213> A.fumigatus

<400> 20309
caaacaagtt gtcctcacat tgctatgctc attgctaaat actgtatgta cagtggtgta 60
tggttccaac tattgcctcg tcctaaccac agtctcacgc agtctatcaa gtacaatcct 120
gcgtcatgga gggttccata tgaccatgtg gtctggaaag attccaagca gatcttcgtt 180
atatactgtc tacaatttct tcttggtctt ctactatatc ctatcccaga gggacggtcg 240
tgggacaccg cccaagaact attatcgcca ttactttggt cggctgcacc gaccacaaga 300
cttccaattc cttgtcgatg gcatgaccag aatcttgaac caacctgtgg gtctgccttc 360
ttcagccggc tatgcttagc tctaatgaag tggcagatgc aagttacgaa ctcgtacctt 420
ccaggtagcc agaaatcgat caaatgggct ccggaaatgc tcatcttgtt ctgggaggcc 480
cttcagtgca acaagcgatt caggtcattt atcatcgact caagtcgctc ccatgacttt 540
gccattctct gtatctttta cgctatcgag tacaaaactg acgcatccaa gcaaggcgtt 600
gtgagaatgt gcatctttat tttacaaaca atgagcgtgg aaccgaactt cgggaaaagc 660
ctcaacatga aatttgaggc tcaggagacg ctacctcaga acatacgtat tccgggcttc 720
agaggtacct atggtgatta cctcgtgatg gtttgtcttt cgccgaattc aacatgcgag 780
accgtactaa acgtgtctta g 801

<210> 20310
<211> 318
<212> DNA
<213> A.fumigatus

<400> 20310
tccatccata ctttgcttac cgcaagtaaa ggcaagctga acgctgtcta tccagcactt 60
ttagcgatca tcaacaacgt ggctccttac ttggaacatc tttcacccgc cacatgctcc 120
agacttctgc agctcttctc ctcaatgtcc gctcccagtt tcctcctagc taacgaaacg 180
aaccatgccc tcctagcctc agtgcttgaa tccataaact caatactcga acaccaattc 240
accagtaagt gtctctatgc cttcactttt gtggcggctc agctcgctga cttactcctg 300
cagaaaaccc gtttctag 318

<210> 20311
<211> 777
<212> DNA
<213> A.fumigatus

<400> 20311
atgaccttcc ctccccctcc cccttcctcc caatcgtcga ttgcttctgg caccgataaa 60
ttgtcttcga acagggcggc gaggtcacag caatctgctt ggggtctctc cgcatcccag 120

tctagcattc gccgtgggtt gactccgctt gcgactaaca acctttcatc gtcatcgatt 180
ccgtctgcga attcccgagg accagttcag tcaactagtc ccgctccagg tggttcaacc 240
tcttcccctt tgacttcttc cttctccgcc gttctgagct ccgcaagggg tcttcctggt 300
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tcgcaacagc atcagcaatc cggacagtct ctctcgtctc ctaaatttag ggctcacacc 420
ccttcgtcac atctggcttc cgcagcaggc tctatcgcgg gtggtggagg ctccggggga 480
ggcggtggtg ggacgggatc ttccagaggc gccaccttct ctccgttatt gtccggcaac 540
accgtgaatt cacccacagg gtttccctcc gacaaaccgg gctcagcagc ttctggagct 600
gcagctcacg caggccagtc ctcgttaact aaaatatcca ttgctcaagt cttccttctt 660
ctagactcta tcacggagaa agaaggtcga gagaagtggg agaccaaagc cgctcagata 720
cacaaggtag gacagtccat cgcctttatg actttctgca aatctgacat ggagtaa 777

<210> 20312
<211> 243
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (76),(135),(154)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20312
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gccaaagacc tctacnaagg agtgcttcgt attctgctga tcttgcacca tgacttccca 120
aagtatgttg caganaatca ttttcagttc tgcnatgtca ttcccgccca ttgcgctcag 180
cttcgtaatc ttgttctgag cgcatacccg tcatctttcc caagcttcca gaatctttta 240
tag 243

<210> 20313
<211> 330
<212> DNA
<213> A.fumigatus

<400> 20313
cttgttgagt cgaacggaat ggaggtcttc tcgaagtatt tccggcgtct tctgacgggc 60
aatgccgctc aaatctttcc aggggtcaac aagtctgtgg aaaatgctgg caattacccc 120
ttgttggtcc aagaaatgca gaaagtcact caggacatag agcaagccca gaaaatcgca 180
gaaacggttg atacctcaga aggagacata ttccgtgatt tcgatctttc taccttcctc 240
gatcatttta agctggatcc tgtcgctaag gtagcccttg cactggcctt caaaaccgcc 300
aataagtcgg atctgcgtgc gaaaggttag 330

<210> 20314
<211> 4920
<212> DNA
<213> A.fumigatus

<400> 20314
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gcaattcttt cgaactctgt cacccctttt cttcaaagtt tggcgacacc gtctgaggca 120
tccaaggact acaaaaactc gttcattggg atgaccattg agcggtttat cctataccct 180
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ctgaatccaa gatacacatt ggtccgtcag ctccattcta gaggaccccg agccacatcg 360
aacgtcgacg ccgtgaatga agcagtcaat tcagccgggc ctgatgcctg gaacgaagag 420
catattgcca gcgcccttct gtttctggtt ctttctcagt attggcagga cttctccttg 480

gagactttcc tccgagcggt caagtcacat tacgttgaca ggcagattaa ttggtctttc 540
attttccgaa actttgatcg agagggcctg cgacttgatc cgaagcagtt tgccaaactg 600
tattcagtcc tcttgtcggc ggctgcggat gattccacct tggacatcca gaagctttgg 660
ggtggcgatt gggaacatcg ggacacacaa atgtctttct tgacggctct cattgtttcc 720
cgaacggatg tctctcagat tcccaatctt cgagctacct tcccagcgga tttcttcgct 780
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gcggaaagtc aactactcat caaggctgtt gtccagtatg atcttcctgt ctttttgtgc 960
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cctcggctta tcaattacgg ggaaggtttt gatgatatta tcgacgcgaa tggcgaaaac 1560
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gctgtgcgag aacatgacat tcacgatccc atgtacaagt tcggcgtcga ggccattgag 1920
cagctgatca gtcggctccc cgaatgggct ggcttttgtc acctcctgct tcaaattccg 1980
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caggtgcgag actctgatcc tggtagacta gagaatgcca ctggcgcgtc cataacgaac 2100
ggtaccctca atgagagcgc accagacgga cccacacgca agttcctgtc tatccatgtc 2160
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gacgttctgc gagaccagca tcatcagtgg ttcgcatcat acttggtgga agaacgagcg 2340
aaattacagc caaattttca gcaactctat ctcgatcttc ttgaccgcat caacgacaag 2400
attctatggg ctgaagttct gagagaaaca tactcgagcg tgtgcaagct gttgaatgca 2460
gaggggacga ttaactcgtc cacagatcgc ggccatctca aaaatctcgg ttcatggctc 2520
ggctcactga ctatagcaaa agacaagcct ataaagcaca aggatatata cttcaagggt 2580
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<210> 20315
<211> 249
<212> DNA
<213> A.fumigatus

<400> 20315
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cttgcaacca gcagcagcga gtacgaggca gctgtcaaga tcctcgaaga gacgaccggt 180
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gggagatga 249

<210> 20316
<211> 294
<212> DNA
<213> A.fumigatus

<400> 20316
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<210> 20317
<211> 186
<212> DNA
<213> A.fumigatus

<400> 20317
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<210> 20318
<211> 363

<212> DNA
<213> A.fumigatus

<400> 20318
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cacgaaacag gctctctgcg gtcgtcgttt gatgttgtcc gtggtgagac ggaatcgata 180
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<210> 20319
<211> 1938
<212> DNA
<213> A.fumigatus

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<210> 20320
<211> 393
<212> DNA
<213> A.fumigatus

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caagccacca tacgcatttt tgtcgtggtt gtaattgtcg cgatggctat agtattccca 180
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<210> 20321
<211> 459
<212> DNA
<213> A.fumigatus

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<210> 20322
<211> 906
<212> DNA
<213> A.fumigatus

<400> 20322
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<210> 20323
<211> 1185
<212> DNA
<213> A.fumigatus

<400> 20323
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cctacagcca agccagctca tcaagctacg atggacgtcc gatcaatgat cacgatttgc 120

agagacaaag gtgaaacata tcaggatcat ctcgctcata aagctttctc ccaattaacg 180
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<210> 20324
<211> 192
<212> DNA
<213> A.fumigatus

<400> 20324
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ccatgggggg cacattcgtg cttcccgtgt atctatcgtg acatgaggca tcctcataag 120
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gtcgaggact aa 192

<210> 20325
<211> 183
<212> DNA
<213> A.fumigatus

<400> 20325
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gatggtgtct tagatgaaat cacagccaac gtgctgttaa cgactgaata tccccaggca 120
ttgtctatat gtgtgatagt attgattgca atcattccaa tcactaaagt gcccttgaag 180
tga 183

<210> 20326
<211> 297
<212> DNA
<213> A.fumigatus

<400> 20326
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gacacgatga tggttggcat taatcaaaca agaataagct ggacgggcta tgaaattgga 240
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<210> 20327
<211> 471
<212> DNA

<213> A.fumigatus

<400> 20327
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<210> 20328
<211> 894
<212> DNA
<213> A.fumigatus

<400> 20328
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<210> 20329
<211> 225
<212> DNA
<213> A.fumigatus

<400> 20329
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gtctcgcgtt ccatcatcgc gctgaatctg tttgacaagg agaggctcac catcgggaac 180
tacagctgcg ttgcgatgtg ccagttgttc cctatggagt tgtag 225

<210> 20330
<211> 273
<212> DNA
<213> A.fumigatus

<400> 20330
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<210> 20331
<211> 291
<212> DNA
<213> A.fumigatus

<400> 20331
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<210> 20332
<211> 246
<212> DNA
<213> A.fumigatus

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<210> 20333
<211> 1110
<212> DNA
<213> A.fumigatus

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<210> 20334
<211> 693
<212> DNA
<213> A.fumigatus

<400> 20334
gcaccgcatc accttgtgta tcaaggtcac acgtgcataa ccatttccca gtacatcgtc 60
tcccccatgt acctgggcga tttcaacgac ccgctgggcc gccagccgaa agacggctac 120
cagtacgcgt ccatcaccgc ggccctcgtc gcccccgtct cgcggggcaa cgtcaccatc 180
cagtccgccg acagccgcga tccgccggtc atcaacacca acacgctggg ctctgccacc 240
gaccagcaag tcgccatcgc cgcctttaag cgtctgcgag agattttcga ggctccagag 300
ttggcgcccg ttcgcctcgg tgacgagtat taccccggga aacattccgt tcggaccgat 360
gcggagatct tacaattcat ccagcagaac ggcctggctt tctaccacgc tgggtcttcg 420
tgcgccatgg gggatcccga cgccgttaac agcacggcgg tggtggacag caaggcacgg 480
gtgattggca tcaagggtgt gagggttgtg gatgcggcgt atgtcatggt ttccgactgc 540
acacggcgtg accctacatt ggggtgtggg actaattctc atgacagagc tttgccgttc 600
ttgcctccca gtcatattca aagtgcgatc tgtatgttca ttgctctgtc cccaggctcc 660
tcccaacatg tgctgtattg ctgtatccac taa 693

<210> 20335
<211> 714
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (516),(533)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20335
tcaaggcctt gcagcactcc ccagacggcg ccaccatcag caccaacacc atctacccgc 60
tgctggaacg cacccagtcc agcgtcatcc tggcgctgca ctacggcctg cgcatccctc 120
accccgacga gcgcattctg caccaagtca tcgacatcca ggtgcaagtc acccacctcg 180
ccgctaaccc ggccctaccg gatctcatcc cagccctgcg ccacctcccc gccatcctct 240
ccccctggaa acgcgcagca gaccgcctct acgccgccca ggtcgacctt tacatgcgcc 300
tcttccacca cggtcgggac gcccgcgggc tggaacgcaa caaagcaggc cctctccacc 360
gcagccaagt acgccctggc tcctcctcct cttcgtcgtc gtcctcgtcc tcgtcccaaa 420
tccccgaact cgaccttcgc tttcacctcg ccacctccat ccagggcggc atggagatgt 480
ccccgcgcca gctcatctgg ctgtttatcg ccgcantgca ccagcagtcc ttngttgcgc 540
gcgcgcacgc cttcctcgac gaggtcgtcg gccgggaccg cgtcccccgc ttctcggacc 600
gcgcacagct cgcatttatc gacgccgtcg cgcatgagct cttccgttgg cggccgatcg 660
cgccggggtc catcccgcgc cgcgcagacc gggacgacga gttccagggc gtga 714

<210> 20336
<211> 480
<212> DNA
<213> A.fumigatus

<400> 20336
accatctcct gcctcctcat ctaccctaac cccgactccg cgctgaattc cacggccggc 60
gctctcctgc aagaagacta cgatgcgttc gcgcgtcagg cgaagctcat gacatcgatc 120
cacgcgccgg tcccaccaga tctaagaaat gcagttgtcg aggcgaaatc gaggggcgag 180
gagcccggca cactcatccc agagcacgag ggtgcccgct gtctgcgacc acgcaaagga 240
actagaatcc agtccttgac gatgaaaacg aagaagccca gtgtaacacc gcggccatcg 300
aaccaaacca acgccgacac caacgacagc cacccagaat cagacgatga cagcgacacc 360
acccggccct ccacctccaa agaaaacgac ccctccctct ccccctcccc cgtgaaactc 420
gctcctccca gcccccgcaa aaatagccac ggcaaacgac ccctctccga cctcaccacc 480

<210> 20337
<211> 444
<212> DNA

<213> A.fumigatus

<400> 20337
ccatttccca gtacatcgtc tcccccatgt acctgggcga tttcaacgac ccgctgggcc 60
gccagccgaa agacggctac cagtacgcgt ccatcaccgc ggccctcgtc gcccccgtct 120
cgcggggcaa cgtcaccatc cagtccgccg acagccgcga tccgccggtc atcaacacca 180
acacgctggg ctctgccacc gaccagcaag tcgccatcgc cgcctttaag cgtctgcgag 240
agattttcga ggctccagag ttggcgcccg ttcgcctcgg tgacgagtat taccccggga 300
aacattccgt tcggaccgat gcggagatct tacaattcat ccagcagaac ggcctggctt 360
tctaccacgc tgggtcttcg tgcgccatgg gggatcccga cgccgttaac agcacggcgg 420
tggtggacag caaggcacgg gtga 444

<210> 20338
<211> 450
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (329),(346)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20338
cccggcccta ccggatctca tcccagccct gcgccacctc cccgccatcc tctccccctg 60
gaaacgcgca gcagaccgcc tctacgccgc ccaggtcgac ctttacatgc gcctcttcca 120
ccacggtcgg gacgcccgcg ggctggaacg caacaaagca ggccctctcc accgcagcca 180
agtacgccct ggctcctcct cctcttcgtc gtcgtcctcg tcctcgtccc aaatccccga 240
actcgacctt cgctttcacc tcgccacctc catccagggc ggcatggaga tgtccccgcg 300
ccagctcatc tggctgttta tcgccgcant gcaccagcag tccttngttg cgcgcgcgca 360
cgccttcctc gacgaggtcg tcggccggga ccgcgtcccc cgcttctcgg accgcgcaca 420
gctcgcattt atcgacgccg tcgcgcatga 450

<210> 20339
<211> 348
<212> DNA
<213> A.fumigatus

<400> 20339
cgctcatcct tccgccgtct agctgcagat cacgctgcat tgcacgagga gctccctcca 60
aactaccttt tcccgacaga agaatcatcc gatgacctga cccaactcac caccctgctg 120
gccggtccgc agggcacacc atactcccag ggtctgtggc gattacactt gaagatgccg 180
gaggattacc cgaagagtcc gcccaaggcg acattcaaga cccgcatatg gcatccaaac 240
gtggaggagt cgaccggcgc cgtgtgtgtg gatactctga agagagattg gaagtcgacc 300
ttgacattga aggatgtcct cgtcgtgcgt gtcctacagt caacctag 348

<210> 20340
<211> 831
<212> DNA
<213> A.fumigatus

<400> 20340
gctttggtct ttccagcgcc gtggtcaata ccatatctga aggaatgtgc agatctcccc 60
aacctcaccg tctatacaga gaccgtagcg aagcgaattc tcttcgatga caccaagacc 120
gccacaggag tggtggtgga gatggccggc ctggaacaca cgctcgccgt cgacaaggag 180
gtgatcctat cggctggggc cttacagtcg cctcaactgc tgatggtctc cggagtgggc 240
ccggcgcgta ccctggattc cctcgacatt ccgattgtgc atgatagtcc gtacgtgggg 300

cagaatttga tcgatcacgt ctggtttgga gcggcctatc gcgtcaacgt cccgacgtgg 360
acccaatggg ccaacgatgc gttcgacatg ctccggctct acgtcgataa ttaccgccag 420
catcggcagg gccccttgac ggcgaacgcg ggcgactttg gtgctttcga aaaagtcccc 480
agtcatctgc gtgccgcatt caccgcgaag actctccaag acctggcaga gttcccggac 540
gattggccgg aagtggaggt aagcaccgca tcaccttgtg tatcaaggtc acacgtgcat 600
aaccatttcc cagtacatcg tctcccccat gtacctgggc gatttcaacg acccgctggg 660
ccgccagccg aaagacggct accagtacgc gtccatcacc gcggccctcg tcgcccccgt 720
ctcgcggggc aacgtcacca tccagtccgc cgacagccgc gatccgccgg tcatcaacac 780
caacacgctg ggctctgcca ccgaccagca agtcgccatc gccgccttta a 831

<210> 20341
<211> 1794
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1144),(1161)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20341
tcaataacat cttccacaaa ctcctcacca gccaactgcg gcaactctgc ctttgacatt 60
gacagcccac cgccaccttc gtccaccctt gtccacatca catcacatcg catctcaaca 120
tcgattgaca acatccctga cctcaatatg gctgccactt cggttgtggc ggtcatcgtc 180
ataggactgc tgacagtgtt gtatatcagc agaaagaatg gcaagaagac ggataaagta 240
ctactgaaac tcccactgat cggcgacctt catagctcgc ctattgagaa gcccctggca 300
aactgggact cctgggccca acagaatggg cccatagcag tccccaaact atttgggatt 360
atcccaatcg tcgtgctcaa ctcgaacgag gctgcgacgg agttgttcaa tcgccgtagc 420
cagtggtaca gcaaccgtcc gccgtcggtc agcatggaga tgatcaccgg cgctccgcca 480
ggccggtctc gcttcacgct gatgcacgac tacgacgacc atctcaagct gcaccaccgc 540
attctctccc ccagtctcgg cgcgctcgcc gcaccaaagt accagccccc gatggaactc 600
gaagccaaac agctgctgca tgacctagtc aaggccttgc agcactcccc agacggcgcc 660
accatcagca ccaacaccat ctacccgctg ctggaacgca cccagtccag cgtcatcctg 720
gcgctgcact acggcctgcg catccctcac cccgacgagc gcattctgca ccaagtcatc 780
gacatccagg tgcaagtcac ccacctcgcc gctaacccgg ccctaccgga tctcatccca 840
gccctgcgcc acctccccgc catcctctcc ccctggaaac gcgcagcaga ccgcctctac 900
gccgcccagg tcgaccttta catgcgcctc ttccaccacg gtcgggacgc ccgcgggctg 960
gaacgcaaca aagcaggccc tctccaccgc agccaagtac gccctggctc ctcctcctct 1020
tcgtcgtcgt cctcgtcctc gtcccaaatc cccgaactcg accttcgctt tcacctcgcc 1080
acctccatcc agggcggcat ggagatgtcc ccgcgccagc tcatctggct gtttatcgcc 1140
gcantgcacc agcagtcctt ngttgcgcgc gcgcacgcct tcctcgacga ggtcgtcggc 1200
cgggaccgcg tcccccgctt ctcggaccgc gcacagctcg catttatcga cgccgtcgcg 1260
catgagctct tccgttggcg gccgatcgcg ccggggtcca tcccgcgccg cgcagaccgg 1320
gacgacgagt tccagggcgt gaagatcaac aagggcgtga cgatcatggc gaatgcgtgg 1380
gggatcgggc gcgacgagca ggtgtttgac cctgcccttg gggacctgca ggagtttgtt 1440
ccggagcggt ggttgcgggc gggtgaagcg ggagaagaaa gattgcggag tgacctgccg 1500
ctaccggtgt ttgggcaggg gaggcggatc tgtcagggga ggagggtggc ggttgatggg 1560
acgtttttgc aggttgccag tctgctttgg gcgtttgacg ttgcgatggt ggatgatggg 1620
gcggggccgg tggatccgtg ggagatggtg gttgtgggat tcatgacgat gccgaaggaa 1680
cggcgattca agctgaagcc gagagggaat tgggtgttgg atgtgatcaa aagagagtgg 1740
gagacggcag agaagagtct ggataaggtc atggggacga atgatgttga gtga 1794

<210> 20342
<211> 375
<212> DNA
<213> A.fumigatus

<400> 20342
ccctgcacat cccctgacgg ggacatggag gaatccacct ctctccacgt ctgccagtac 60
ctcgcagctg tgtcgctttc cgagatgacg gtcatttttc ctatacagac ccgggaccaa 120
agagccgtgc ttgcggtggc tttcacattc tcgatcttgg ccgtcgtcgc ggtgtccttg 180
cgcttgttgg cccatcatat tgcgcataaa ccatggactg cgagtgatta ctttctgatt 240
gccgcctgtg taagacaagc cctggctatg ggatcgacaa ataacttatc catcggtctt 300
agttcttcgc ggtcggtctc cagtccatca gtatcactgg cgtattccag gctggtatcg 360
gcttcgacca tatga 375

<210> 20343
<211> 891
<212> DNA
<213> A.fumigatus

<400> 20343
tatccttcca agatgatcgg aatccctttg ctcgcctcac ttctcctcag cgggatagct 60
caaggtctag ctattgcaga acgggctacc actccggttt ggctcactct gccgccgaca 120
ccacccctgc ctgccccaat tagcgaggcc cgaatatccg ttgacggtgt tgaactgtgg 180
attcaaaagt acaacgaaga tgcccacaaa acacctttgg ttcttgatca cggtggcctt 240
ggctactcgg cctacttcgg tgcagtcctg agccgactga tcgcgaaagg acactatgtg 300
atcgccctcg accgccgggg ccacggccgc agcacgttca aggaagacga cgtcttcaca 360
ttcgacctct ttgccgacaa tatctacgag cagctcaagg ccgtgggtgt ctccaagtac 420
aatgtagtcg gctggtccga cggcggcgca accaccatcg ctgccctgct gaaccgcaag 480
atatccccca cgatcgagaa ggcattcctc ttcggtgctt tcatggtccc ctccgattcg 540
aacccaaatt ttccgaatac ggacatcaat tccgagttcg ttagtcgctg cgcgaaggag 600
tacagccaac tccagcccca ggccaacttc acctcattcg cgaccaaggt cgcgactctg 660
gaggctacgc tgccgcaatt caccacggac cagctgcgca ccatcgacgg ctccagggtc 720
agaattgccg gcgcccagta cgacgaagcg gtgaatctgg atgtcccggc caagctgcac 780
gccgccatcc ccggcagcag cttggtcatt ctcaataacg tcagccattt cgcaccgctg 840
caggaccccg atcaatttac cagagcgttg gaagactttt tctatgcata g 891

<210> 20344
<211> 240
<212> DNA
<213> A.fumigatus

<400> 20344
tcgtgcatca gcgtgaagcg agaccggcct ggcggagcgc cggtgatcat ctccatgctg 60
accgacggcg gacggttgct gtaccactgg ctacggcgat tgaacaactc cgtcgcagcc 120
tcgttcgagt tgagcacgac gattgggata atcccaaata gtttggggac tgctatgggc 180
ccattctgtt gggcccagga gtcccagttt gccaggggct tctcaatagg cgagctatga 240

<210> 20345
<211> 504
<212> DNA
<213> A.fumigatus

<400> 20345
ttcttcgcgg tcggtctcca gtccatcagt atcactggcg tattccaggc tggtatcggc 60
ttcgaccata tgacgtccat cgtggccgtc tacgggatgg agccggtcac caaactgttc 120
cagctgatca tcccgctgca gttcacatgg gtgctaagcc tcagttgcac caagatctcc 180
atcctgctgt tgtatctccg catctttccg gttgtgtcgg tcgtgcgggt cgcctgggcc 240
accatcggcg tcatcgtcgc ttgggccatc gcgacaatcc tggccgggtg tctcatctgc 300
cggccctttg ccttcaactg ggaccagacc atccctggcg gatcgtgcgg agaccaggtt 360
acctcgttca cagcgacggg ggtgatcaat ctcgttactg acgtggtcgt gctcgtgacg 420

ccgatgccgt cgctataccg gctgcagatg gcaacgtaca agaaggtgac cctgattacc 480
gtctttggat tgggagtagt gtaa 504

<210> 20346
<211> 261
<212> DNA
<213> A.fumigatus

<400> 20346
gttgccaagg aagtggctca taagtttcaa ccgaacgcaa agctggaagc ataccatgca 60
aatatcaagg acagccaatt caatgtggac tggttcgcga cctttgattt agtcttcaat 120
gcgcttgaca accttgacgc ccggcgacat gtgaacagaa tgtgcctggc tgccaatgtg 180
ccgttgattg agagcggaac aacagggttc aacggacagg tgcaggttat caagaaggta 240
agcctttcct gtagcagttg a 261

<210> 20347
<211> 438
<212> DNA
<213> A.fumigatus

<400> 20347
tgtcagcccc tcaaagcacg caagagacag tttggcccaa gggacgcctt cacgctccgg 60
ctctgcacct tcaacaccta cgaagacaca agcacttgta aaagccactt cgacaccgcg 120
acgccttcaa aatacaacga gcaagtcgac gcctctcaaa ctggctgcca atgcctcgga 180
cagagcggct gctccatcgc ccactcctca gaaaaccagc aagctccgtc ccaatggtct 240
gtccggctct acgatcatcc ccgatgcacc tgcgtgggtc atggattcaa tccggattgt 300
atgcaagaca ctttctactc cagcaccgcg cacgagcaca tggtctcggc cgccaatctc 360
ccgaactctg ccgccacata tctttgccgg cgtatcatcg atcctctacc tcatctcgaa 420
cctctcagca aagaatga 438

<210> 20348
<211> 255
<212> DNA
<213> A.fumigatus

<400> 20348
tcgcgtgtgc ttcttgtcgg tgccggcggt atcggttgcg aactgctcaa gaaccttctg 60
ttgtccggct ttggagaaat acatatcatt gaccttgata ccatcgatct gagcaattta 120
aaccgccagt ttctcttccg ttacgaacat atcaagaagc cgaaagcatt ggtacgtctt 180
cgccgtctga ccggttcctc tgccttccct cgttctctcg ctttgcgcct cgatctcctg 240
cgttacgcga tatga 255

<210> 20349
<211> 492
<212> DNA
<213> A.fumigatus

<400> 20349
gtgttataca tatctgcgca tgagcctcaa gcatgtctaa tgctattaag cgagcttttt 60
ggtaccagtg aagacgaatc ggaagaattc gatcattcgg cagatgccga taacggtaag 120
caccttttggt cgtcaaatgt gtcgcaagcc agttataacc ctgaagcagc tgccgagatc 180
gccaatctgc gtaaggaggc gcaagctctg aaagcaatcc gcgagtcgat gggctcaccc 240
gagttctatc agaaggtatt tgagaaagtc ttcaaagaag acatcgaacg gctgcggggt 300
atggaggaca tgtggaagtc tcgaacggca ccccagcccc ttgacttcga aaaactgcag 360
caagaatcct cctcaatcga gcccatcatc tctgtcaacg atcaaaaagt gtggtcatca 420
gccgaagact tcgttgtttt caaggatagg ttcgaaacgc cgtcgcttat gacaattctt 480

cacgaacaat ag 492

<210> 20350
<211> 1482
<212> DNA
<213> A.fumigatus

<400> 20350
tactacctta tgttgttctt ccttgttacg ttatttctac acttacattc tcactcctct 60
ctgacagcgc tcattgggcg gcgccaacaa cccatccata ttagcaccgc cgcggatcct 120
tccagccccg tggtgagact ggttatctgc ctttttttctg cgccgagacg acaattactt 180
actcacaaaa cttttaaggg tgtcaccaga cttctcctcc tccgagtacc tttcttccgc 240
gacatcatcc tcgaatcttt cgaatgcgaa cactgtggtc accgagacaa ctctgtcaaa 300
tccgcaggtc agatccaaga gaagggaacg aaatacacgc tagacgttga gaacgaggaa 360
gatttccagc gccaagtcat tcgaagcgat gtctcgattt tcagagtcga atcgctcggt 420
attgagatgc ccaagggcga aagccagctg accacagtgg agggagttat tcagcgcatc 480
tacgagaacc tgtccagcga ccagccattg cgcaaagagc aagcgcccga gctgcacgat 540
gcgttcgtgc ccatcattga gaagctggag aagattctga agcgcgaggg cttccctttc 600
accatctcgt tcgatgatcc taccggtaac tcatggattg cgcccaatac acaggacaag 660
acaaacaagt atagacgccg cgactacccc cgtacacacg agcagaacga agagctcggc 720
attgctgccg acccagaggc ccagaagaat gaaggcatca acgtggaggg cgagattgac 780
gactcagaaa tcgtcgaagg gcaggtttac agtctgcccg cggagtgccc cggctgcaca 840
aaggcatgct ttgtcaacat gaagaaagtc aacattccct acttcaagga ggtcttcatc 900
tggggtacag tttgcgacca ctgcggctac cgcactagcg aggtcaaaac cggtggtgag 960
gttccggaga agggcaagcg tattaccctg cgtgtcgaga acgaggttga tctgtcgcgt 1020
gatatcctca agtccgacac ctgcgcgctc catagtgaag agctcgaagt gactgtgcag 1080
cccggtaccc ttggcggccg cttcaccacc gttgagggtc tgctcacgga aattcgcgat 1140
cagttacacg gccagatctt cgatgtcgat gacactacca attctggcgg tgacagtatg 1200
gcagcttctg acaaggaaaa atgggagcgc ttcttcagcc gtctcaacga tgccattagc 1260
ggaaaaatga agttcgtcat tactcttgag gatcctatgg ccaacagcta cgttcaggat 1320
ctgtgtgctc ccgcccccga ccctcaaatc acaactgaag agtacactcg tacggaagag 1380
gaggaggagg agctcggact gaaagacatg aaggtcgagg ggtacgagca ggagcagaag 1440
gaagagaagc ccgccgagga ggctgatgaa aggaaatcat ga 1482

<210> 20351
<211> 390
<212> DNA
<213> A.fumigatus

<400> 20351
cagtcgaata gcttagaacg gcttagcaga cgcttaaaga ctttgcaaga gacagccaag 60
gatggtctga agccgatctt gtttttgac aaggatgatg tcgacactct cgactttgtc 120
actgcgagcg ctaacctcag agcgacgatc tttggaatcg agcctaagtc aaagttcgac 180
acgaaacgta agcttgacgc tatcactgat tcatttctat tgctgattct tgtatcagag 240
atggctggga atatcattcc cgcaattgcg acaacgaacg cgatgacagc ggggctctgc 300
gtgttgcagg ctttcaaggt tctcaaggat gattttcaaa atgctaaaat ggtacgcgct 360
acgtccgaac tggttcctcg tgtaatctga 390

<210> 20352
<211> 486
<212> DNA
<213> A.fumigatus

<400> 20352
gggctcctgg aaatagacag aatgatagca cgcgccatgt cggacgacga agccgacccc 60
gagctcctgg ccctccttcg caagtcactc ggactagatg gtgggcctgc taacccacgg 120

actgcggaga cgaaagtcct cgaaaatgcg caatttgttt tcgataatgc cgttgacgtt 180
gcgctgagtc cggcgaaggt taaggaagcg gcggagacaa tatggcggct gatgcagaag 240
aagaattact caaccgagac atggacagat cacgagttgc accctaaggc gaaagacgga 300
agcacagttg acttcatatt cacgatggac cttttgaact tcagcttctg gtcggatcaa 360
acagacccgt ccaagcgatt ctgtattgag tatcggggga aaaagtggac aggctattgg 420
agtctggtag ccgcattgca aagggcttta gatgagggta agtcctctgt caaaatcttt 480
gcctag 486

<210> 20353
<211> 438
<212> DNA
<213> A.fumigatus

<400> 20353
cgactggcag attaccgaat cccgcaaatg ctccatcaac ttggttgtct tctgtactcc 60
ccatcgttag agggtcacat caggagcaat aagctgattc ccagtgggtc caattgggaa 120
attgagctgc gcgcaaccag catctggtgt gttgaattga ttcggcgtga gattgaacgt 180
caacaccctg aagtgaagaa gcagaaatta ttgaaagggg caccaactga aagctcagtg 240
aatggagcca cttcgttcga aaacgagaca aatcttgctg cacaaaagca catcagacaa 300
gcgagtaccc acggtacatc cggctcaggg ataaacgcta tcttgatcga tttcttcttg 360
tatgatacag caaaagagat ggagagggac ggacgcgaga caattccgca tcacaggacg 420
agaagcattt ggtattag 438

<210> 20354
<211> 561
<212> DNA
<213> A.fumigatus

<400> 20354
aactttctcg ccctctgcgc gtgcggcgca tacaacaata ccccttcca ccgtatcttc 60
cccggcttca tgattcaagg cggcgatatt tcgctcgggc cagcacctgg aacattaaat 120
acactaaaac ccatgctacc cgtcaacgaa atccccaagg gtggcacctc aatctaccac 180
cctcgtgcac tgaatcagga gatccacctg ccagccctcc gtcacaatgc gcgcggaatt 240
ttgtcaatgg catcgagacc agtcaaagac cggacagcac cgggatcaca aggtgcgacg 300
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<210> 20355
<211> 1983
<212> DNA
<213> A.fumigatus

<400> 20355
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cccgagaatt atctcccagc tcgtgaacct atacagcttc ctttagaccc cgaggttgtt 180
gagaagatga cgggcttcga tttcgggcca ccagaatata tcacagcgca actcaccaag 240
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caagttcata gcgagaagaa gcgtggcatg tttgatttct acaaacggcg gaattccgcc 360
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gaaaaagata cgggtagaag atctcgccct cgcgcgagga ctcacggcga tgatgatctt 660
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gcaattccgc ctgagactcc cgtgaaaaag gagagcacgg cagcgggcat ccttagacga 780
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gagatcctga tcgtcaaggt gccgctcttt tcattgcatg gtattcagtt caagaaggtc 1920
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tga 1983

<210> 20356
<211> 1074
<212> DNA
<213> A.fumigatus

<400> 20356
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ttgacacatc gcacgccatc gtcgtcgata cccctgaaaa gaaagtctga tagaagttct 120
gtcagccctt ctcttgctgt gcctaaggcc gatcacttga ccaacaataa catacaccaa 180
actaccaaca aacagggtct tggcaaccac agcaacccca tcacctccaa cagcaatact 240
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gttattcctt ccccgtccag gcagctgaga aaggagattg agaaatccgt ttgggtcaaa 420
gcgccccctg taacgccaga gaagactgcg ctttcgactg agtattatcc gattgatgct 480
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attcccttta gcattgaaac gccaggcccc attctagcag atagaattcc tgtacaacgc 600
caattgcacg agaccctgca gcggaagctg tcaaagatca atggcccccc cgtgacattt 660
gcgccagggg aggaggacct gctggcggtt tttgcttcaa acttcgagtt cgttaattcc 720
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aaatgctgga atcgagtcgt gcagcatggt cgtacggtcc gtctggaaat tttccacaca 1020
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<210> 20357
<211> 471
<212> DNA
<213> A.fumigatus

<400> 20357

cccgtcggga tttcggggtt tcacgggggc acccattcca actcttcccg ccgcgaccac 60
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aaacaccggc ggaatttatc ggtgcaaagc caccagcggg acagtataga tatggcttca 180
acaggccctg ttgtggccga gcccgctccc cctcccgcgc aggcggcttc tggatcccat 240
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cagtgggctc ttggaaagac tatcggcgcg ggaagtatgg gcaaagtgaa actcgcgaag 360
aacatggaaa cgggcgaaca ggtatttcga acggaagcaa cagatctgac cttaacacta 420
atgacaattg caggtggctg tcaaaatagt accgagacaa tcggccgatg a 471

<210> 20358
<211> 642
<212> DNA
<213> A.fumigatus

<400> 20358
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gtgagtcttg tgaatcaccc atacatctgc ggcatgcgcg atgtggtgcg gaccacgtat 180
cattggtata tgctctttga atacgtcaac ggaggccaga tgctcgacta catcatctca 240
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gattattgtc atcgcaacag tatcgtgcat cgagacctca agattgaaaa tattctgatc 360
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agcctcctca aaacattctg tggaagcctt tactttgccg caccggaatt gctgcaggcg 480
agacaatata ccgggccaga ggtggatgtg tggagtttcg gcatcgtcct ttacgtcctg 540
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aagggtcatg tggaatatcc gcagggactc agtgcaggtt ag 642

<210> 20359
<211> 480
<212> DNA
<213> A.fumigatus

<400> 20359
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gtggttacgt cgcagcacgg ccactcctat ctcttcgagc tagacttctt ccacaacgac 180
gacgagatct acgttgtgga tggacaaaag tttggctccc ccacgcgttt catgaaccac 240
tcgtgcaacc ccaactgcaa gttgttcccc gtcacccgga cctacggtga cgaacggctg 300
tacgacctgg ccttcttttc gctgcacaat atcccgccca acaccgaact gacgttcgac 360
tacaacccca actgggagga gggcaaaaag gtcgatccca acgctgtgcg ctgtctctgt 420
ggggagaaga actgccgcgg gcagctctgg ccgaaccagc gcaagggcac taagtgctag 480

<210> 20360
<211> 219
<212> DNA
<213> A.fumigatus

<400> 20360
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gccggtggca tggactatca ccatatccat gccatagctg ggtctatcta cagcatgcag 120
gggcaaatga ccgagactcg ctggacagac ttgtttcaga gtccacttta cccctctaga 180
tggacactgg agtggcatgc agcttggcaa tcgcaatga 219

<210> 20361
<211> 642
<212> DNA

<213> A.fumigatus

<400> 20361
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catactacct acactcagac atcaacccca aaacgagaga cagacaagac agcaaaaatg 120
caccccaatc tttccctcac tacctcattc ccctcttctt cgcccaacaa ccacctcccc 180
acctctacgg caacatcccc cgcctcctcc gcctccccat cggcctcctc cccattcagc 240
ttccgccttt tccaccccta ccgcggtgcc agccccagca gcaccggaag cataagcgca 300
aatcgaagca ggagtacaag ccccctccgc ctctcggcac tcttcctctg ccggcgcccc 360
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cgccaggggc tggatctcat ggagccaagg cctgttgatc ctgtcgatta ccggctgccc 480
atggatggga gcatctttgc gtcttctgcg ttgacgcagg ggtttgaagc ttcccgggga 540
aggtcatctt tgcacagtca gcttcacact cagccgtatg ggtttgttcg gccgcggttt 600
gtgatggggg gtatcttcga ggttatggag gggagggatt ag 642

<210> 20362
<211> 273
<212> DNA
<213> A.fumigatus

<400> 20362
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gtttctcttg cattcccagt ttcctactct tacagtttca aggtccagac tagtaaaaaa 120
ttgtttgcta ttggtactcc gttcttcgta gattcgcgtg atttaggact taaaaggtac 180
ctgggcgcca agccacagca ggtgacgccg tggcggtgcg tatggatgga acaaacgtcc 240
catggtttca acgatgagga tgaacgtcca tga 273

<210> 20363
<211> 585
<212> DNA
<213> A.fumigatus

<400> 20363
acccagaaag ctgacgttgg ttcagtcatt ctgaaatacg ctggccgtga tgccaccaag 60
gcctactcag aggttcactc tcctggtgtc atcaaatcaa atctaccgcc agagaagtac 120
aaggggatcc tcgactcgtc ctcaatcgat gaagaatggc tcaaacagcc tcccagcgag 180
aatccacagg ttgtcctgga cgacgagaag ccgcccttgc acactctgat caactcacac 240
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gcctcgaccg atctcatcac tcgcgatgcg aataaatctt gcttcgacag gatctggttt 360
cgacctcgcg tcctcagaaa cgttcgatcc gtggattcta gaacaaaagt tctcggcgtc 420
gattgtagca tgccgttgtt cgtaagtccg gctgctatgg ctaagcttat ccatccggat 480
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gatcttatat cccattcagt ctcattgcac aacgccaagc tctag 585

<210> 20364
<211> 291
<212> DNA
<213> A.fumigatus

<400> 20364
ccaacagcgc ctctcaatat tcgtttcagg ttcatttcct gcagttactc gagtataatc 60
actctgactt ggagtctccg aaagaatttg tctttcaaac cagtgatctg cgcgaatttc 120
aagagagtaa agatggcggg cgagaagctt ctatccacta aggaagtgtc gaaacacaaa 180
tcgcctgatg attgttggat tgttgttaat aataaagtat gggacgtaac agattttgtg 240
gaggaacatc ctggagggtc aacaagtaag agttgctggt tattatgctg a 291

<210> 20365
<211> 792
<212> DNA
<213> A.fumigatus

<400> 20365
tcttatatcc cattcagtct cattgcacaa cgccaagctc tagtgctcat tattgggcag 60
gtttctaaca attcttcgta cactctggat caactgagag aagcggctcc ttcggcgaat 120
ttcttcttcc agctgtacgt caatcgagac agaacaaagt ccgcagcgct tcttcgtcaa 180
tgctcggcaa atccgaatgt cagggcaatc tttgtgacag tcgatgctgc atggccaggc 240
aaacgggaag cggatgagcg agtcaaggcc gatgaaaatt tgtctgtgcc aatggcaccg 300
gcgcgagcga agaacgacaa gaagggcggc ggccttggac gtgttatggc cggcttcatt 360
gaccctggat tgacgtggga tgacttggta tgggttcgaa agcacacgca tcttcccgtg 420
tgtttgaaag gagtgatgtc tgcggatgac gcgatcttgg cgatgcaggc tgggttggat 480
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actctactgg aacttcacaa gcgctgtcca gagatcttcg acaagatgga aatatatgtg 600
gacagcggaa tccgccgcgg aacggacata ctcaaggcca tctgcttggg tgccaccgct 660
gttggcatgg ggcgcagcat gctctttgcc acgaattacg ggcaggaagg agtcgaacat 720
ctgatagaca gtaggtgctg tcccatgtat aaccctatga agctaaccag caattgtagt 780
tatgaaagat ga 792

<210> 20366
<211> 558
<212> DNA
<213> A.fumigatus

<400> 20366
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gcgctggaag caaaagcagc cgggcatgct gttgcgttcg gtgaaatcgg tcttgattat 180
gaccggctgt tcctcagcgc taaagaacct cagctgaaat acttcgaagc tcagctggat 240
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gaaaagttgc tagctcccag actggagaaa cttcctaaga aaggcttggt gcacagtttt 360
acagggacaa tggacgagat gaaacggatg ctggcgttgg gcttggacgt cggtgttaac 420
ggatgcagcc tgaagacgga ggagaacctg gaggtggtga aagctatccc gcttgatcga 480
atccagatag agacagatgg tccatgggta tggagttctc atctccctta caacatcctc 540
acattctttc ccctctga 558

<210> 20367
<211> 195
<212> DNA
<213> A.fumigatus

<400> 20367
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aaggcagtca agaaggagaa atggcagaag ggccttatgg tcaagggccg caatgaaccc 120
gttgcgatag cccatgtcgc ccatgtcatc gctaaattaa aaaatattac ggcagcggag 180
gtttgcgagg cgtag 195

<210> 20368
<211> 231
<212> DNA
<213> A.fumigatus

<400> 20368
ttcgacgttc caggcgtcga tttgccaagt tggcaccttc tgacaaagaa agcagtctat 60

tttccaatca ctacgaaagt gactcagcag agaagcgact tcagctgtga ctgttgctcc 120
ggccatgata tcctgagcct ggactataac ggactcaata tgaggccatc tttgttgaag 180
caaaatgatg tgacagaagt ggtagctgtg tttctcactt gcaatcgctg a 231

<210> 20369
<211> 297
<212> DNA
<213> A.fumigatus

<400> 20369
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attcgcaagg aatacctcaa tttttcgttg ccgaaatcaa ggcctctcga cgaacgattc 120
attgaacttt tcgatgacac cagactcggg cccctcgctg tttcttctgg tgcaagctcc 180
tggcctgctg gtgtaatgct cgatccgctt cgcgaagaag tagtcgagga cgaaaatacc 240
ccgagaggca gtagacattc ttctgccagt gtatttcaca agtccgacgc tatgtga 297

<210> 20370
<211> 345
<212> DNA
<213> A.fumigatus

<400> 20370
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gacaatgacc ttgacgatgt cattcagcgt gctcgcgatg tggggtgcac gaagttcatg 120
gtgacgggtt cagatctagt agaatctcgg catgctatcc agcttgctca aagttaccgt 180
aagttgcgca cacaacatcc ttacccttg tttcttcgtg ctatcaagcc taacaagctc 240
ggctgccagc tggtttctgt tacgcaactg ttggtgttca tccatgtcaa gcaaagctct 300
ttgatgaatt tcctggcggc ccagacaaga tgttggagga gctga 345

<210> 20371
<211> 561
<212> DNA
<213> A.fumigatus

<400> 20371
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tgtgtaagcg gctgccatat aagatcatta ccccttttctt acgcttgtcc acatagtacg 120
ttagttgaag gggactacac ccaggaccac caagtctttc tcaaagagaa tggtattgaa 180
catcgtcgca ttcttatcct ggcaaacaag gatcccacga ttcgaactcc ggaccatgtc 240
gtgaaccgag tcttggaaat catgctcaac aagaccaatc acccactcct tctacactgc 300
aacaagggaa aggtgagcgc aaatgccgat aatacaaatt cgacccgact aacaagactt 360
aatagcatcg gactggatgc attgtcggct gctttcggaa ggttcagggc tgggacatgc 420
cagctattcg caaggaatac ctcaattttt cgttgccgaa atcaaggcct ctcgacgaac 480
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gctcctggcc tgctggtgta a 561

<210> 20372
<211> 1536
<212> DNA
<213> A.fumigatus

<400> 20372
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ctgagtttga ttttcgtcag tcgaccacag acgccagaag ccataactgc caccttgca 180
tggcgtgaga aggtctttgc agcgtgggga aatctcagac caggaacatg tggaggcata 240

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gcggtatccg gagaccacat ttacggcggt caaatgtgca gtatgccaac gtatatcaat 480
aaggtcttcg ttggaagggt tgacggctgc gtggacattt ggaatgtgag gaccggacag 540
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<210> 20373
<211> 348
<212> DNA
<213> A.fumigatus

<400> 20373
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acgcaatgtg ggactttcgc tctcattggg tccagtatgg gaagtatcga tgtgttcaat 120
ttgcagtctg gccagcatcg acagtgtttc ccagctcgcg gtttgaaaag taggcgaact 180
ggcgagcttg gtttagcaaa tggttctcaa gaaaagaaca ttggacatac aaaggcagtc 240
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gtcaaggtac ggtatacgac tcctcaacat aatcataata ctgactga 348

<210> 20374
<211> 693
<212> DNA
<213> A.fumigatus

<400> 20374
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tcgattcgtg tggttgacat cgaaacaaga aaactcatac gcgaattctg gggttgcgtt 180
ggtcaaatca atgacttcat tttctccaat gatagccggt ggattgtggc tgcttctatg 240
gactcacgtg tccgcgtttg ggatttgtca acaggacatc tcattgatat cttccgagtg 300
cctagcactt gtacctcgct atccatgtca gcgactgggg agtttctggc aacggcccat 360
tcggataatg tcggtattcg tctctggacg aatcggagtc tgtttattcc aatttccacc 420
cagaatctgg acgaatctgt ctttgctgat tctcatatcc ccatcacatc cgcagaggag 480
cgtgctggag ctcttgaggc tgcgtttgcc gaagaagatc atcaggatga ggcggagggg 540
ccagtgctat gtgatgaaca actgagtacg gagatggtaa cactcagcgc cattcccagg 600
agtagatggc agactctact ccacttagat ttaatcaggg tatggtccca cgcttcttcc 660
accatctgct ttatcattgc tgattgttgt tag 693

<210> 20375

<211> 342
<212> DNA
<213> A.fumigatus

<400> 20375
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cacacgctcg ccgaacgctc aaggatagcc agacaccaac gatctcagac tgtggacgac 180
tcgggttctt tattcacagt ccttctgcat tccggtcgtc agtctaacga ttttgcaccc 240
ttcatagact atttgaaaag tctatcgcca gcaaggactg acctggagat tcgatctctg 300
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<210> 20376
<211> 1452
<212> DNA
<213> A.fumigatus

<400> 20376
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aaggtgaaaa agaagctgaa acttctcttg cgcgaaggat ctgcaccttc acagttcact 180
tggcccaagg ataacattcc tgagccatca gttgttctcg ctactgttgt tgagttgatg 240
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gttagcccaa cccttacctc tatccaggga cggtggtgta ctggtgaaga tcccatgctc 420
ttcaaagaac gatgggaaaa gctcttcgca gaattttgcg acacggagaa ggttgacccg 480
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cttgagtggg tgttcatgcc cccagatgag gggaccaacg agcatgaacg gcacagctcc 600
aattccaata atactaaccg tcacgatctt gctgaggaca gattacccgg acatgacagt 660
ttaacaagtg aaggaataga ggaaaacgtg gaaaatccga ccttatcaca tctgctcaga 720
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gtcattgaaa cactcaaagc gaaattcgac acgtgcgttt cacagcccac cttcatcccc 1380
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tcattgccgt aa 1452

<210> 20377
<211> 2610
<212> DNA
<213> A.fumigatus

<400> 20377
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tctttgagat tcaggttcta cgagcaacct tcaaagatga cgcagagcaa ttctattcaa 180
gatttcccac cttccgcaac ccaggataat tgctcttctg atattggttg tgctacaggc 240
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ccaagtaatg ggcaatttca ccagaacaaa ccccagacct cagatgtaat gacagatcat 420
gctggcggcg cgagagttgc tctttcagct cgttcctcca gccgaacgcc taggagactt 480
agtggcagca cagctaccag ctcagtcagt gaagctgaaa ctggcccctc aagcatcggc 540
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gatgaggctg tagagaattg gcctgtatgt gactttctga ttgcattctt ttctgacggc 720
ttccccctgg agaaggccat cgcttacgcg aggcttcgaa agccttttg cgtgaatgac 780
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agataccaat cacaagattt aggtctcaat atgcgtgacg atctgaaatt gatgaacaag 2520
gaggctctga ataatgttcg gatctttaca agctcggagc gaagagtgag taccagcggt 2580
aggtctttcc caaagcacgt ttctgtctga 2610

<210> 20378
<211> 201
<212> DNA
<213> A.fumigatus

<400> 20378
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ctggttagca ttgagaccaa aaccaacatc tccaacatca aaagcctgtt tccggtgata 120
aggggcccgg ggatctgttg caatccagtt gatcagtaca gtgctcttac tcttcgtctc 180
atggccagct cacctccata g 201

<210> 20379
<211> 282
<212> DNA
<213> A.fumigatus

<400> 20379

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tttagtatac aaggcggcag tattatctgt tggcatagtt cctttctcgt acagattgaa 120
atgactcaat ttactcccgc atataacgac ttctcgctga gaaacgaaag ctcagtaccg 180
tcaagaaaga aatgcaaaag ggagggtggg aagtggactc ggtcaggttg tctgacctgc 240
aaaaggcgcc ggaagcgctg tgatgaagct aagcctgggt aa 282

<210> 20380
<211> 414
<212> DNA
<213> A.fumigatus

<400> 20380
gcccaccgtc tccttaccca ggtcgtcgtc acgggcgctc gagttttcgg tcgagccttc 60
gcagaagctt acaagcaggc ctccgcatcg tccaaatacg cccaggcaaa taagggaaag 120
ggaggaagct caagcacatt tgcatcttcc ggcttgacac tcgaagaggc ttgcaagatt 180
ctcaacgtca agccaccggc tggaggagaa acgaatctgg aacacgtgat ggagcggttc 240
aagaagctgt tcgatctgaa tgatcccaaa aaaggcggaa gcttctatct gcagagcaaa 300
atcttgcgcg ctcgcgagag aatcgagatg gagatccgac aagcggagcg caaagccgca 360
caggagaaag aactccggga aggctggaat cccaaggtgt acaaggaccg gtga 414

<210> 20381
<211> 306
<212> DNA
<213> A.fumigatus

<400> 20381
gactcgagtc atacactggc cgatgccgac gatgccagag cttacttctc tgaaaagtat 60
aaacacgatt cggaactgcc ctcacaaggc tacgacactt gcgtaaatat gggcgacaaa 120
tacatcgtga atgaccatcc gcattttgcc ggatgcttgt ccgagaacat tcttgtaaag 180
acttcgaagt atcctcagat tttgtttgaa atgtggatga tgtcattaat gatatatgct 240
tctgaatgtt attatatact cggaaaagta accctgtttt ctgacgagaa accaaaaaat 300
ggatga 306

<210> 20382
<211> 903
<212> DNA
<213> A.fumigatus

<400> 20382
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gtgaagattg tagcgcacta ctcttcttac ctccaggaac tccgtggagg cttacaagtg 120
gcaatcacaa tcatggggcg tccctcggtc cctctgtcgg cggatcttcc gccactcatt 180
atgggcaccg caaccttcaa ttctcagtac aaccaggatc catacgccct ccccacgacg 240
gaactagttc atcgtgctct tgagaacggt gtccgcgctt tcgatacgtc cccatactac 300
ggcccagccg aggagcttct cggtcgtgct ttggctactg actacgttcg ctccaatttc 360
ccccgtcata cataccgatt gctcaccaaa gtgggccgag tggcagcctc ttcctttgac 420
tattcttcaa gatgggtgag gtacagcgtg aagcgcagtt tgcgccgcct ccataccgat 480
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gcgattcgag agttgcgccg cattcgtgat actgaaggca ctattcacta cgttggcata 600
tcgggatacc ctgtggatgt actgtgcaac cttgcagaat tggtcttgcg cgagacaggc 660
gagccgctcg acgcggtgca gtcatacgcc aatttcacac tccagaatac ccgactgctg 720
acccagggtc tccctcggct agtggccgcc ggcgtggacg tgattcccaa tgcgtcgcca 780
ttagggatgg gccttctacg gcgcaagggt gtgcccattg gaagcatggg cgactttcat 840
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gcc 903

<210> 20383
<211> 246
<212> DNA
<213> A.fumigatus

<400> 20383
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tggtgcctgg gatgggatcg atcgatggat cgattgatcg accccagggc ggtggtgaga 120
gaacgccgag aaaagttaaa accgaactcc cgctacactc tgtacgcatc tcctactatt 180
aaagaggaca agagatatac cctgaactat tcctgttctg tcattgtccg ggccggcagt 240
atatga 246

<210> 20384
<211> 1323
<212> DNA
<213> A.fumigatus

<400> 20384
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gagtatacag gagatgctga tgcggtggta gaagatattc cgtggataga ttccatggcc 120
ccatcatacg cgcaggatga tggcttacag cctgattctc agccaccaac ggttgctgct 180
ttttcgccca ctaccatttc gggctcatcc ttgacgtcca gacaacgttc cagcataatc 240
gtacatcgca aatccccccct tcttgtggct acacctccgg ccatcactcg agctctagcc 300
tattctcatc cttttatact tcctttgaat aaactcgccg gcttactcac gtggacaacg 360
gacgacccat ggcaaagctt tcttctggtg gcggggtttt ggacggtggt cctgtacagc 420
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tattggagac gcttttctcc gttatcgaca gcggcattca cgggcgagaa acgacagcac 540
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acattgagaa ctttcacgac tcggtgcaac atactcctgg agcctctcct tgagcttacg 660
gatttcctat cgacgcagag aacggcgacg tccgcaacta caagacccgc tctcactact 720
atgttcatac gaattctttt tgtgactccc atctggatcg cattgaccct tccgcccttt 780
tacataatca caactcgccg tgttgtcatg actataggca ccatcattct cacctatcac 840
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gttcgcttca cttttgtact ctatgagaat caacgtcggt ggctgggaat tggatggaca 1080
tactccctgt tcccctctga gcgtgcggca tggaccgacg aacatctgaa cccagccccg 1140
tccaaggatg actttgagct cccgcatgta caggcaggga atgccaagtg gcgctgggtc 1200
gagggcagcg agtggcgtat tgaaggagct gacgatacga acagcaaggc agatggtaaa 1260
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tga 1323

<210> 20385
<211> 621
<212> DNA
<213> A.fumigatus

<400> 20385
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gtgctggcag aaatagagaa actcaagctg ccgccaggaa tggcagtctg caatgatccg 120
tggatgtatg gctcagacag tcccaatgaa acgagacggc tcttccaatg ctttatgtac 180
atggttgaag tggaccaccc tgagaacaac cattactctt taccatgcaa gttctctccc 240
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gcatccttct caattgacgg aaactctgtg tactggcaaa aatggcgatt cagagtcggc 480

ttcaacaacc gggagggact ggtgctctac aatatcacat acgacaatcg caacgtcttc 540
taccggcttt cggtctcaga gatgacggtt ccctatggag gtgagctggc catgagacga 600
agagtaagag cactgtactg a 621

<210> 20386
<211> 633
<212> DNA
<213> A.fumigatus

<400> 20386
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tgccgcgacg ctgaactcgt cgagatacca caagcgactg aaaacacgcc ggctacggcc 120
aagtctggtt taacacaggc gttggataaa cagagggagt cggggaacat tgacgcttca 180
acagtcgata ccgatgccgt gagtctctcc ccgtcagcgt cctccaagac gcggaaaaga 240
cgttggttcg ggggctcgaa acctgtaagc gacaaagcca gtagcacttc ctttgcgcta 300
ccagccttca ccaatacatc ctccgtggac gctggaaaaa taacctctac ccccagttac 360
agcccatcgg gaacccacgt cgcgagaccg attgacatcg cacactctcg gaagccatcg 420
aactactccg gcaacgcaag tcatggcagt gtgggccgag acagcagcgt tgcgggtagt 480
gtctcgcaca gtgacagtgc cagcattcga gataaggaaa ttatccacgc tcaagatcat 540
ctagaccgct ggggtactcg agctacgggt ggtattgagc gagcagagcg agaactgggg 600
ctgggtgacg aggtcaatat gggattgagt taa 633

<210> 20387
<211> 237
<212> DNA
<213> A.fumigatus

<400> 20387
gtcaacgatt gcatgatcaa ttctcggtcg atcgtctctt cgcactcgca tcctgtgatg 60
aagagtggaa aagtaagcgc ggaatactcg cagtggtcgt cgagtggcga tgaacgaata 120
attctgagac aacgctctac tgccccccgc tttgataatg atatgaagga agtccaaaac 180
gaggatgctc tttgcgtgaa cccccgcatc attctttcta gcgtggaatg gagataa 237

<210> 20388
<211> 414
<212> DNA
<213> A.fumigatus

<400> 20388
tatacgaacc caagtctctg cagtatgctg gcatctcaga gctctccttc gaccacctcg 60
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ctcgaagctg cctttcctgg tgtgactctt cggtataagc gaattgacct gcaggaaccc 180
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aaaccccctc gtcttttatt ctcctacttt caccgtttgg acagtggtgt cttccacaag 300
gccctgttaa atgctgacag caagtcagta atccatatca aggagctccc cgcacatgtg 360
caagtgagta gatcattcct ctttcccttt ccatccgcct gtcctgatag ctga 414

<210> 20389
<211> 1254
<212> DNA
<213> A.fumigatus

<400> 20389
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cgggcccctt atcaccggaa acaggctttt gatgttggag atgttggttt tggtctcaat 120
gctaaccagt tgacgcttgg atgcgattgt ctgggtcaca tcaaatattt tgatggctat 180

cgaacagact caaaaggtaa tcccgttcat ttgaaaaaca tcatttgcat gcatgaacag 240
gacaatggtc ttcaacacaa acacaccaat taccgatcgg gcgctgcgac agtggtgcga 300
aaccgtcagc tggtccttca gatgatttgc actgttgcga attacgagta catctttgca 360
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accgttccgt ttgacaatga gaatggcgaa acagtcgcct ggggtactaa cgtcggccct 480
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ggtttcaaga acaccgtcta ctatgaggac agcgtaccac tccctgaaga tgagaagaat 600
ccttaccttg ttggctatac tactgagcag acggtcatcc gcaagtccgg ctcagccaac 660
actgacatca accgccatcg agtattcaag atccgcaacg ataatatcat caaccccgtg 720
acctataaac ctgtggcata caaactccaa acggcaccta gccagatgct cctgttgagc 780
caaaacgcaa tgggttaccg acgggccgag tttgccagta aacctatctg ggtcaccaag 840
tacaacgatg acgagctgta cgccgcaggc gagttcacca accagagtag acgagcggaa 900
ggtgttgaga cctgggtaca aaggaacgac tcgacagaga acgaagatgt ggttctatgg 960
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agcgtcatgc tcaaacccga tggtttcttc accaaaaatc cggccctgga tgtgcccccg 1140
tcaactcagt cattcaacaa atccaccctc catgctgagc ctgctcccgt ggcaagatgc 1200
tgctccaacg ggggtgccag cactaaagcg aaactctaca agcgcattga atag 1254

<210> 20390
<211> 186
<212> DNA
<213> A.fumigatus

<400> 20390
tattttccgt ttgatttcaa cagtatcaag aagcctaaga ctcaccgtta cccttccctc 60
aagggtgttg accccaagtt ccgccgcaac cacagacacg cccttcacgg caccatgaag 120
gctctggtac gttggccttg ctgctgctta ggtcgaaagc agccggatgt cggaggacat 180
ggctaa 186

<210> 20391
<211> 921
<212> DNA
<213> A.fumigatus

<400> 20391
cccactgtat caataatgct ttacgctgaa ggtgataagc tcatctaccg atttgatgac 60
cacattcttt ggatccagcc atggagcgag aatgcttttc gtataagagc cacgaagctg 120
gcgtctatgc cctctgaaga ttgggcactc tccgcaaaac cgagcacaca gcagccgatt 180
attgaaaccc ccgctggcaa agaggcccgc atttccaatg gtaagatcaa ggcagttgtc 240
tcccagcgag gcaagatcac aatctacaac tcgaacggta aaaagcttct ggaagagtat 300
gcccgtcatc gtcgtgatcc aatggacccg aaatgcagcg ctctcgagat tgaagcgcgt 360
gagctgcgac caattctggg aggggactac catctgacgc tgcgattgga gtcgctagac 420
ccgaaggaga agatctacgg tatgggccag tatcagcagc cttatctgaa tctcaaggga 480
gccgacttgg agttgggaca ccggaattcc caagctagtg ttccgtttgc tctgtcctcc 540
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aacgtggctc gagagtacaa acgacgcaat gttcctttgg atgttattgt agttgacttc 840
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<210> 20392
<211> 240
<212> DNA

<213> A.fumigatus

<220>
<221> unsure
<222> (101),(104),(128),(153)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20392
cgcggccttc cgagttacct atgcaatgtg atggcgacgt cacacatttt tgacccgaac 60
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ggatcaanaa tctctgggct tgacaaaccg aanctgaaat acccaatcta tgactttgaa 180
tatttaacgg taccaaggct tggcaccacc ctacaattcg gtaacctctt ccccccggga 240

<210> 20393
<211> 354
<212> DNA
<213> A.fumigatus

<400> 20393
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ccgacaaacg gtgctcactt aacttccatc gccatggacg cctctatgga tatcgacatg 180
gatattgacc tcgggccgct cccagagccg gaatcaattg aaatagtgag cgacaatggc 240
cccatttttgt ctgcttgcct ttcccttata actaacgtgt ctcaaccttc cttaggaacc 300
cgcgacgaca acagttacta ctcaagacgg cttggtcgat cccacaacgg ctga 354

<210> 20394
<211> 201
<212> DNA
<213> A.fumigatus

<400> 20394
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ctgagcatca acgccgtgga ggcctacccc ctcgaggact tcagcgccga tgtaagttgt 180
ggaaacgaag aaatgtcttg a 201

<210> 20395
<211> 1296
<212> DNA
<213> A.fumigatus

<400> 20395
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gcgcagtacg agaaagttca catacgaggc gttgatgatt taactacaga taacatcaaa 120
caattcgcga cggattactt ctccggcgag acccctcccc gcatcgagtg gattgacgac 180
acgtctgcaa atatcatcta ctcatctccc gaagttggtc tacaagctct ggcagctttc 240
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aaggcattgt caacccaccc cgaatccgtg cttcaagtga ggtccgctgt gaagaccgat 360
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ccccgggaga aactacgacg agaactcgca gaaagacgtc gtcaaggtgg ccaaggctca 480
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accgactatt cagactcaga gagaggtcgc aacggacgaa cacggagagg ccagcgggaa 660
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cgcgataccc tggccgagag tggtcgtcta gaacaagagg aacgcggcac gcgaagtcgc 780

ttccgggagc gctcgccaca gcttatccgt cgcaacgaag gcaaagagct tttcccctct 840
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tccaagtaca attccaatgc cggcaaagag ttattctctg ataagataga agggcggggc 1260
ggtcctcgac ggagggcaga ggacatgttt ggctaa 1296

<210> 20396
<211> 1227
<212> DNA
<213> A.fumigatus

<400> 20396
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cattacattg tcgctacgga cgcagataga caagtgcacc ttttcaaggc agacaaaggc 180
aacgacgttg tcacttcgtt tgctggacac tccgactccc cggtgctatc gtacgcgacg 240
attcagaatg gcaaatacgt cctgatgacc aatatgtccg gccagctcct tctccaacgg 300
ggagctgaga ttctgtcgcg ccgtaaagat catgccaaat atgcagtcaa ggtgatcgca 360
tatgaagacg aacagccagg cgaaactgcg tccaacgccg tatgggtcgc taccgctggc 420
tgggactcca agatcctact ctaccgtctc cgtattccca gcagagcagg agatcctgcc 480
ccggtggagc tcaaggagcc catcacctcc atcaacctgc tcaccaaccc agaatcgatc 540
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aagctcctcg gcaagcagaa cctagccccct cactctaacg cctgggtcgc cttctctcct 720
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aagaggctta ttgtttggag ggtgtag 1227

<210> 20397
<211> 399
<212> DNA
<213> A.fumigatus

<400> 20397
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aacacgaccc ccgggagaaa ctacgacgag aactcgcaga aagacgtcgt caaggtggcc 120
aaggctcaag cgatggcgac tatcaacgaa gacggtttga cggccgggag cttagacggc 180
ggagagaccg tgacgcggac gacaacttca gtgccaatat gtacgacgac gaaggcccgc 240
gtgctagcac cgactattca gactcagaga gaggtcgcaa cggacgaaca cggagaggcc 300
agcgggaact attccctgac gaaggtcgtt tatctggccg ccttcggaat cggagcgcct 360
ctccaggtcg cgataccctg gccgagagtg gtcgtctag 399

<210> 20398
<211> 234
<212> DNA
<213> A.fumigatus

<400> 20398
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aagttgtgga aacgaagaaa tgtcttgata tacttttttg acccaatctt tcaattacag 120
gctgtcaaat cccagatcgc cgaggcccag aagattgcca atggtagtgg cagtgagcag 180
gacattgctg aggctaagat tgagctcgag gtaggtcaac cacgaacgcg ctag 234

<210> 20399
<211> 210
<212> DNA
<213> A.fumigatus

<400> 20399
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gcccttatcg gcatacacaa tgcctcctgt tgtgtgcatg gttctgtgag gtatttgggc 120
aataatggtg ctgtctgcaa cattaaggaa ggttttaact cttgtctaag aaagcgcggc 180
cacagaatag aagggattac aaagcactaa 210

<210> 20400
<211> 438
<212> DNA
<213> A.fumigatus

<400> 20400
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cttcgaagat ccaagtcatg gttcaagcat tcggctgaag gatgctttat atcttgcttg 120
cgttatcctc aagcaagaac aatggtttgc tctcaagggg ctcctccaca acagtctcct 180
tcgggaaaca tgaaaatgga tcccttgcaa agcattgaag aagaggaact tcctctatat 240
aagccagaga attactatcc tgttgatata ggcgaagtgt ttgtctccag ataccaggta 300
gtttcgaagc tcggatatgg cacttcttcc acgttctggc tttggagaga tctcaagtat 360
gtgttcaaag gaccttggat gcagataaat gatattttac agagaaaaat gctacaagac 420
gctcaaaata tgtgttag 438

<210> 20401
<211> 315
<212> DNA
<213> A.fumigatus

<400> 20401
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ctcactttga tagcattggc cttcctacat gagaataatg ttattcatac tggcaagtat 120
atagcacaag gcgcaaatgt tcatgctaaa agaaaggtag atatttcacc gaacaacata 180
ctccaaggga tagaggatac ctctatcttg tctgacaatt actccttaat atatcttctt 240
gtatgcatgg cagtcactgc atggtctctc gtctataaga tgtcctttct aaatgttctc 300
gcggctgaaa agtag 315

<210> 20402
<211> 780
<212> DNA
<213> A.fumigatus

<400> 20402
ggcacaccaa agtgcgaaag tgtgtacatg tcaaatgccc ctacggccag cattagcgcc 60
atagtaaccg agaaaaacca gggtgcaacc tcccgtcaac atctatcgaa cgaaacccag 120
ccacccaaga tgtccgagtc tgctcatcgt gagtacaccc caaagccttt gccaacgact 180
ccagctagag acacacggtc tcccttacaa acccaccacc ctctctctat tacaatgttg 240

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cagcatgcaa tccaaagcct agttagctcc cagccggccc aactaaagaa cagacaatgc 360
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ggcagggttg aaaagcaggt agctcgcaag atcgaaattc agagcaactt acggcatccg 660
aatgtccttc ggcttttcag tcactttgac gagagcaaac gaataatctt aatactggag 720
tatgccggca aaggggaatt atataaacat ttgcagagag aggaccgttt cccagagtag 780

<210> 20403
<211> 513
<212> DNA
<213> A.fumigatus

<400> 20403
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cagagtagaa atctgcgcag tacattgcac aaatggcgaa tgctcttgta tatctgcatc 120
gcaagcatgt ggattcaccg ggatattaag cctgaaaata tcctcgttgg gatccacggg 180
gagctaaaga tgtcagactt tggctggagt gtccacgcgc ccagtggtcg caggcataca 240
caatgcggga cattggacta cctgcccccg gagatggttg acccgcggaa gtgtgacaaa 300
ccttatgatc agaaggtgga catatggtcc ctaggtgtcc tgctgtatga gttcctggtc 360
ggaagagcac cattcgagga tacgcccgtc atgacgcaaa ggaggatagc aaagggtgac 420
atgacggttc cttcatttgt cagccctgag gcaaaggatc ttatcaaaaa ggtaagtcac 480
cgacttctct ttaataacca aaacgactgc taa 513

<210> 20404
<211> 255
<212> DNA
<213> A.fumigatus

<400> 20404
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acttttgtgg agaaccttca atgcgcacac aaagccagtg ctttgcttat gagcaacata 120
tactcgtcca aactttccct tacccaacgc cttcctgact tcaaacatgc ccaagtggaa 180
tatccttggc gcgggttgtt tgataagctt cccggtgtgc tgttcccctt taaccgcagc 240
gttcgacgct tgtga 255

<210> 20405
<211> 543
<212> DNA
<213> A.fumigatus

<400> 20405
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ctggccgaga aggccccccgc gtccaaggca gtcgctcagg ttgtgactcc tttcgatgtg 120
tctggtggtg tcgacgagtc gggcaagctt ctccccgttg actatgataa actggttcgg 180
gaatttggag cgactcgtat atccaaagaa ctgcttgagc gcttcgaaag agtaactgga 240
cgtcggcctc atcgatttat gcgcagagga attgtcttca gccaccgtga cttgaacctg 300
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agcgacagca tgcacgtcgg acacacaatt ccctttgagt tcaccaagtg cgtcgtccat 420
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atgtctttga ttgccctttg gttatcatgc ttacagacga cgaggcgagt tttacatcat 540
tga 543

<210> 20406

<211> 855
<212> DNA
<213> A.fumigatus

<400> 20406
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gcaaaagaca tcattgcagt tggattcgat atgaagaaga catttatttt cagcgatttc 120
gatttcgttg gcggcgcttt ctatgagaac atctgcagaa tggcgaagag gatcacaata 180
aactccgtcc gaggaacctt tggcttcaac gacagcaaca acgtcggaga atttcacttc 240
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gagctacagg cttacgttca ggccttccag gaacgtaggg cccaggtcac cgacgagata 780
gttgccgagt tcatgcggcc ccggtccctc gagtggaaag gcaaccccaa ccccatcgtt 840
gttgagaaga aatag 855

<210> 20407
<211> 909
<212> DNA
<213> A.fumigatus

<400> 20407
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<210> 20408
<211> 957
<212> DNA
<213> A.fumigatus

<400> 20408
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gggggctcgg acaattctgg ccagagttat atccttgaaa ctaccgtcgt tgacattaag 420
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cgcctgggac aaggaaagtt ccttgggaaa aagaagacca tcccgactgc cgatcagacc 660
atcgagtttg atgaagagac acctaagaag ggattctttt cgtcgctgtc tactgctgga 720
attcagagaa ccattgagct cattggcgtg agccgaacac gagatgcagt gctcaaaagc 780
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<210> 20409
<211> 477
<212> DNA
<213> A.fumigatus

<400> 20409
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gacggtggct gcgtcgatcc tctcgctcag acagccatca acttcgattt ccctcctcta 180
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ccctctggac ctagtaacgg ctgcgacggt gtttggggac ctcagtgtac tcacgacctg 420
aaggagctgc tagtcttcac caggcagtgg caatcgagct cattggaaat caatccg 477

<210> 20410
<211> 282
<212> DNA
<213> A.fumigatus

<400> 20410
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caacgtaccc tgcgcagcag cgtcttccag gaacgcacaa tcatcacgat tgcgcaccgt 120
atcaatacga ttattgactc tgatcgaatc gtggtcttgg acaaggggcg agtcgcagag 180
tttgacacgc ccgcaaacct gatcaagcgt ggcggcaaat tttatgagct ggtcaaggaa 240
gctggtttgc ttgaaagcga tggagcagcg cttgtgcagt aa 282

<210> 20411
<211> 234
<212> DNA
<213> A.fumigatus

<400> 20411
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gagagcatca atcaagagag tcgagccatt tgtcgaacat gtccgtctaa acggttacct 120
tctttgcata tgcgacccaa cagtgaatat ggcttcgctt gggactctcc tgcctccaca 180
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<210> 20412
<211> 432
<212> DNA
<213> A.fumigatus

<400> 20412
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caagatgtgg agttagcgat caccgggtct agcgtcgacg gatcaagcgg ttcactagag 360
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agaagttcct ga 432

<210> 20413
<211> 2895
<212> DNA
<213> A.fumigatus

<400> 20413
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ttcggtagcc cttacctgcg cggcgcaatc atcaagtgtg gaagcgatgt acttgccttt 660
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cctcaacccg tgatcagtgg tgtggccatc gcgctggcga tgttttcggt ctcggtaaca 780
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<210> 20415
<211> 186
<212> DNA
<213> A.fumigatus

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<213> A.fumigatus

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gccatgtttg agggcactct tcgtgacaat ctggaccccc ggcatgtgca tgatgacacg 180
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<210> 20418
<211> 1887
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1750)
<223> Identity of nucleotide sequences at the above locations are unknown.

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<210> 20419
<211> 222
<212> DNA
<213> A.fumigatus

<400> 20419

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gaactacttt tagcagagga tctaatttca gataagtaca tttcagtttc ctcaactaac 180
cctcatatct attactgtac taaattcctg tactcggatt ag 222

<210> 20420
<211> 396
<212> DNA
<213> A.fumigatus

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<210> 20421
<211> 747
<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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<210> 20423
<211> 3315
<212> DNA
<213> A.fumigatus

<400> 20423

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<213> A.fumigatus

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<210> 20425
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<212> DNA
<213> A.fumigatus

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<210> 20426
<211> 183
<212> DNA
<213> A.fumigatus

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<210> 20427
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<212> DNA
<213> A.fumigatus

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gcctggcaag ccagaccaaa gttcgagctc tacctcatgg acatcctcca gactggcgcg 1260
ttcctcctgg agcatatcga aaccccagcc ggactgggtt ttgacgcggg gtcccttgat 1320
ccgttgaaaa ctgacgttgc tgaggaatat ttcgcctctg ctgtagatgc cctattcaaa 1380
ctccttgatg acccagacgc aagcttccct catacagtgt tcaagtttgc tcgcgccatt 1440
ttgcagaaac tgggttctcc ggacagtcgt gcccgttttc tagagtattt gctcctccag 1500
tggttcttcc ctaaatttct ctctggggca ctggcttatc ccgaggtctg ttccagcccg 1560
tcttctaatg ttatgatttc tggacttggg gaggggaact ga 1602

<210> 20428
<211> 621
<212> DNA
<213> A.fumigatus

<400> 20428
atagggaatt tgtctcatct atatttacca tctcgtgacg ctgcatgtga ttcctgtttg 60
tcttcctgca tcaatcttcg gatttctctg tccttctctc ccacccacca gcccaaaggc 120
tctcttcttg agcaagacat tctgtcaata gtcattttag cacttcctga ccttcctatt 180
atttcatgtc agtcaccatg gccgaccaac agcccgaaaa gactactgct cctgcttctg 240
atgtcgcaga ctcgcagcct gccgtcgttt ccaacactga cacccgcaag gagacaaccg 300
agactgcgga gccacaatca gaggacaaga ccgcaaccac aaccgcgcaa cctgccgttg 360
aaaccactgc cacccaatcc ggcaccgcag agactcccgc tgaggccgac aaggctcccg 420
ccgaagtgca gcaaccgccc caggccgaag aggagaagcc tgtcgctcag cagccggaac 480
agccagccta tcttgccaaa aaccctgccc tctcacagtt cttcgagcgt ctccctgcca 540
ttgtctccag cagcggccat gcagaaatgt ggggtgtccc cctcaaggac tcgaacgatg 600
ctcccactgt caacgttctg a 621

<210> 20429
<211> 219
<212> DNA
<213> A.fumigatus

<400> 20429
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gagagctggc cctttgaacc aattgagttt agtctctgga ttctatatga caaggtgagc 120
acaacctatt catacatgaa tgatgtcttg cgtattacta tttctgagga taattatata 180
tataatatta tcatgagcat cataatattt ttgcaataa 219

<210> 20430
<211> 429
<212> DNA
<213> A.fumigatus

<400> 20430
ttcatcacta gtaacatgat ctgcgcagtt gccggtatga ctgcagacgc caatattctc 60
atcaactatg cccgacaagc cgctcaacgc tacctcctca cttatggcga agaaattcca 120
tgcgagcaac ttgttcgtcg attgtgtgac ctgaaacaag gatacaccca gcacggtggt 180
ctccgtccct tcggtgtctc gttcatctac gcaggttacg atcctctgag agaattccaa 240
ctgtaccaga gcaaccccag cggaaactat ggcggctgga atgccactag tgtacgagca 300
aataacgcga gcgcccaaag tctgctcaag caagattaca aggaagactg cgatctgaag 360
gaagcgtgtg cccatgcccc gtcaggtctt aaggcaggac aatgggatcc aacaaagctt 420
gagccatga 429

<210> 20431
<211> 504
<212> DNA
<213> A.fumigatus

<400> 20431
atcattggac aatctacaaa tctcagattt tctctgaagc aagctgacgg aaatctgctt 60
acagcggacc aactcatagg taccggcggc ggctctcgca atgcgcagct tcagattaca 120
gatcctaagg tctgtcgctc gtacctggtt ggaacttgcc cgcacgatct cttcaccaat 180
accaagcaag atctgggtcc ttgtcccaaa gtgcatagtg aaggactgaa gacggagtac 240
gagaccgcct cagcggccga gaaggcgaaa tggggctttg agttcgacta catgcgcgat 300
atgcagaaat atatcgacga ttgtgatcgc aggattgact ccgcccagcg acgattagag 360
aaaactcccg atgagatcag acagacaaat aaccttgtaa gggcgaagca cttccatcga 420
gctatcggta gaatattcgc tgactctcac acagctgaaa caaatctccg acctcacaaa 480
gactatcaat actggtctcc ttga 504

<210> 20432
<211> 882
<212> DNA
<213> A.fumigatus

<400> 20432
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gttagtctat ccattggaat ggcagatgtt cgctcgttac ttcgaagtga gcttgctgct 120
cggaagggcg caccgcaagc aggaactacc ggtaatcgag ttaccaagaa gcggaaggtc 180
gatatcacgg atgacttgac gcggaaaaag attaagcctg gcgaaaaaag tgcagatccc 240
ctatcaccga cagtacatac tgtgcagcca ccaagcgccc aggcgatcga tggagtggat 300
gatgttgaac aaagagcacg agaaactgct agcctggaac ttccaccgga ctcgaaagct 360
tcgcaaaagc agacccaggc acaatctgag ccgttgcttg aatcgaatac tcctcaagca 420
attgatgagg acgaatgggc agcttttgag cgcgatgtgg tggcgccaac tcgtgtaccc 480
caggcgcctg ctgcagttgc cgctgcagcg acgatatcgg ctgcacccat gtcggccgag 540
caattggctg cccagcaaga ggcagagaag ggaacatcga tacaagcacg tgaagctgag 600
atcgaagggg aacgagagga cgccgctcgg ttcttggagg atgaatttga tgaaatggag 660
cagcttgaag aacgaattag gcgattgaag cataagagag aggaattgag acggaaacga 720
gccaaggaag cttcagagat ccctcaggca gaaggatcgt ccgggaaaac acaggggaa 780
cagcagattg atgagactag acagagcgac gaagaagaga acgatgatga tgacgacgat 840
gatgcggatg acgatgattg ggacaactgg cgatttaggt aa 882

<210> 20433
<211> 420
<212> DNA

<213> A.fumigatus

<400> 20433
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gcatgtgcgg ctgtaccagg atcctgtacg ctaccaggct cctcggaagg gcgaacttcg 120
tccaatattt ccctcctgtt ttctccggat ttctcagctt cttcggagcg agccttctgt 180
tccctcttct ctctttccaa acgatcatac tccaccactc ctttcattac tgcgggagga 240
aatttccaga aactttcgtt cgtttcaggg ttgtggacaa atcttctccc cagtcttgtc 300
ttcacaagca cccacggctc gcacccgggt atcgcgtgtt tcgacttcgg cctatcctcg 360
ggccctcgat tgttacggtc gcggaaccct tttccacctc gaaatccacc cctagaatga 420

<210> 20434
<211> 519
<212> DNA
<213> A.fumigatus

<400> 20434
gggcgaagca cttccatcga gctatcggta gaatattcgc tgactctcac acagctgaaa 60
caaatctccg acctcacaaa gactatcaat actggtctcc ttgaagtttc cgtcctcggt 120
gaaactggtg ccgtggccca agcgcttaac gaactacaca agattcgtac cgccaaacac 180
caaaaagaga cctgtgagcg cgaactcaag aatctccaag atacctccgg tccatccggt 240
catcaaaagc tgcaggtttg cgacgtctgc ggagcctatc tgagtcgtct tgataacgat 300
cgccgcttgg ccgatcactt cttcggcaag atgcacatgg gttattcaga catgcgcaag 360
acgtacaaaa agctcagcga agagctcaag gggcgcccac ctcctgtccg ccaccatgat 420
gacgacgaag gcggttgggg tggccgctca ggtggtggac gaggcccacg ttacggtggt 480
ggtggtggcg gatacaggaa acgaggcgga cggtggtga 519

<210> 20435
<211> 243
<212> DNA
<213> A.fumigatus

<400> 20435
aagcttctcc aagatcccca caacctaaca accacgcttt ctaacaaaac tttgttgatc 60
ttactgaagc actcccagga ttttattgta ctcactttcc tcttgttagt ctatccattg 120
gaatggcaga tgttcgctcg ttacttcgaa gtgagcttgc tgctcggaag ggcgcaccgc 180
aagcaggaac taccggtaat cgagttacca agaagcggaa ggtcgatatc acggatgact 240
tga 243

<210> 20436
<211> 249
<212> DNA
<213> A.fumigatus

<400> 20436
acaaccatct tctcccccga aggtcgactt tatcaagttg agtatgcgct cgaagctatt 60
tcacatgctg gtacagctct agggatcttg gcgaaggatg gaatcgtcct tgctgcggag 120
aaaaaggtga ccagcaagct gctagagcag gacacatctg cagagaagct ctacacactg 180
aacgagtacg cttttcccaa cggagagaag cttctcatat cctttactcc gttactgatt 240
catcactag 249

<210> 20437
<211> 1785
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (306)
<223> Identity of nucleotide sequences at the above locations are unknown.

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tatgagacag gacatctcta ttattacaac gcagagacga agcagtctac atacacaaga 180
ccgcagccgc ttcctgttca atcgcaaccc gccgcgccca cccaaattcc ttttgtcact 240
ccagacactc ttcccccttt ctcttccaca ccgtatgcgc ctgaaggatt ttccttcagc 300
gaccangccc gtgggcttcc tcatcatggt cattctaggg gtggatttcg aggtggaaaa 360
gggttccgcg accgtaacaa tcgagggccc gaggataggc cgaagtcgaa acacgcgata 420
cccgggtgcg agccgtgggt gcttgtgaag acaagactgg ggagaagatt tgtccacaac 480
cctgaaacga acgaaagttt ctggaaattt cctcccgcag taatgaaagg agtggtggag 540
tatgatcgtt tggaaagaga gaagagggaa cagaaggctc gctccgaaga agctgagaaa 600
tccggagaaa acaggaggga aatattggac gaagttcgcc cttccgagga gcctggtagc 660
gtacaggatc ctggtacagc cgcacatgcg atggaagaca gcgatgagta tgaagaagtt 720
gaagtgactg acagcgagga cgaggatgat caaccctcga aacggccgaa gaccgaagac 780
accaacgacc aacagcaacc cttagaattc acagaggaag atatcgagta tcagcttgca 840
gcaatgggag aagaatacgg tttggatccg ggagaatacg gtgaacctgg tcaggaaggc 900
tgggaggagg gcgcagaagg gttgccactt actgaggaag atgctacagc gcttttccgt 960
gacctcctcg atgactatca cataaatccc tattttacgt gggagaaaat catcgaagaa 1020
ggccgcataa tagaggacag ccgctatact gttttgccga acatgaaggc acgccgagag 1080
gcctggtcta gttggagccg tgatcgcata cagcagctaa aagaacagaa agagaagcag 1140
gaaaagaagg atcctcgtat ccgctatctc gctttcctcc aggagcacgc gactcccaag 1200
ctatactggc ctgaattcaa acgcaagtac aggaaagagc ccgagatgaa ggattcgcaa 1260
ctatcagaca aagaccgtga gaaactctat cgagacctgg cctcgcgatt aaagctacct 1320
gaaagtaccc gaaagtctga tttctcggct ttgctgaaat cagtaccatt acaagagcta 1380
aaccgatcat ccaatctaga agctcttcct tcatcaatta tcaccgacct gagatatatc 1440
tcattgcctc caaaagtgcg cgacccatta cttgaggcct atatctctac cttgccaccg 1500
gcgccagagc aagatatgac tgcagatcag cttgaggcac taaacaggaa tagactggag 1560
cgtgagaagc gcgaaagggc tctagctgaa cgcgagaaac gagttcagga ggaaaaaaga 1620
aaacaacaaa gcgatcttgt ccgcgggagg cacctcctca gagaaggtga ggcggagatc 1680
caggaagcca tgagagttag aaaggaaggt atcaggagct acttggaagc cgaaaaccaa 1740
gactcagtga aagtatctca ggagaagagc cctgaagctt cttga 1785

<210> 20438
<211> 426
<212> DNA
<213> A.fumigatus

<400> 20438
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cgcacgattg ttggccatgg ccaagaacga ggcggcatgc gtattatttt tggcaaccca 120
tcggatgcgc atcctgtcga cttcatctat tttgagactc tgccctggtt cttgcggccc 180
tatgtccaca cattacgcgc gacgatcaca gggcgcaacg gaaccactag atcggttccc 240
gtctcgcaca ttgtgaaaga gacattttac agaccggcca tcgatagaga aagaggaaca 300
cagttggaac ttgcactctc tgtgcctgct gcttccatcg tcactctcac ctatgacttc 360
gagaagccaa ttctacgtct tctaccacag gggggccgag gcatccgcgc aatgctaatg 420
cggaag 426

<210> 20439
<211> 2724
<212> DNA
<213> A.fumigatus

<400> 20439
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ctagatatgg taaccgagac acctgcgaag aaatcgaaag cgaaagctca atcgaaggat 120
aaatctgaga agccccccgaa accctccgtc gagccgacac ctgccgtcag tgaagaagaa 180
gaaattattc gatgtatttg cggagaatat gaagaggagg aagacattga acgagatatg 240
atctgctgtg accagtgctc cgcctggcaa cacaatgact gcatgggcct cacatttgcg 300
aaaggcgagg agcccgatga atacttctgt gaactatgcc gacctgagaa tcataaagtt 360
ctcttggaca agattgcgcg cggtgagaag ccttgggagg aagcagccga gaagcgacgc 420
cagcaggcag aagaaaagaa ggccgcacgt cgcaggaaag gcaggaaagg tggtagaaag 480
ggccggccaa gcgagcccaa accggataca ggcaccccag cccgcaataa agcggcttct 540
gccacgcccg ctcagactcc tgttccactg gcccctccgc ccgttgtgac cccggtcccg 600
gagaagaacg gtgacgtttc agacgcccac ccatcgagca ctcagaagag gaaattcgag 660
gtacatcaag aggctccggc ctccgatacg gtaagacttg actattactg tttgaaaata 720
gggacagctg ctcatgtcta ccagcaggga ccaaaaccga agcaaataaa gatgacctca 780
ccagctgatt cagtgactcc tctcaacgac aagcctgctc aggcgaagga agattcgact 840
gctcctcctt cgcgccaaag ctccgtttct gaaaagacta cgacgcagga atcgggcact 900
ttggacgaga tctcaaaccc agcaagaaga agtgctgcca gtgctctagt caagttattt 960
gtagatcaaa tttctgatgc acagaagcaa gggtctttca aattacctga gggaaggtcg 1020
gcgaaagaga tagcgcagca gctcggtttt tcaatcgaga aggctatgta tcagaatatt 1080
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gcgctctcta agatgagcag tcaggatatg gcaagtgagg agcttctgca gaaggatgcc 1260
gaaatcaggc gcgaggccga gaggcagcat attattgtgg aggagcaagg tccgcgaata 1320
aggcgaactc ataaaggcga agagttcatt gaagatgaga atcaaaccgt cgccagcgag 1380
ccagtgtttt cggtagtgcc gacacgccga agtttggctg atgttgacgc aagcccttca 1440
aatcaaagtc cagcgagtcc ccaggctcat cagcagccgg atgacagtgc gccaagggct 1500
gccaaaccgc tgcctatcga caccaaagcg aaggatacca aggcccgaaa tgggcctacg 1560
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catgaaatgt tgccgactgg gaaggcccag gctgatgcag agattgacaa gctattgaaa 1680
gacgtcgaac ccgaatcgcc tccatattcc ccaaaagact tcaacgacga ggcgattatc 1740
tggcgcggga aggttgtcat gaacccggtg gctgaattct cgtctttagc aaagcatgtt 1800
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gtcgacgggc gaatcgacat tcagctagcg agcaattatc tctgtggttt gcgtttcagt 1920
tcctcgacgg acgtttcagt catctccatt agtcgcccag aatcccccaa agatcaaaaa 1980
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catccgttgc cggccgtcaa ggatacctac gttattccca tcgaagctgg atccacaaag 2100
aagcccgaat ttattgagct tttggaaaac aatacacttg aagaccctac tccagagcga 2160
gtactattgg tggtctttgc agtcaaaacc ggcgaatcga atcctccttc agtacagcta 2220
tcatcacatc atccaagtca agagcctgcg tcttttgcaa gccctgtcac cgtcgcagcg 2280
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accactccgc catctgctat ctcgggcata attccgaccc tcaattcatt tgcttcccag 2400
cctccacaat ccctgcaacc gcagcagccg cagttaccaa cccaaccggc ctctcagtcc 2460
caagggtatc aacctccaca gccacatagt cagatggctg tcactggtat ggccgccgca 2520
gtgaaggtac ttggtgctca ggcaaatgct ccagcaatcc agcaactcct ccagcaggct 2580
ccgaatgctg atgtctccca actgggtgtt gtccatggca tcatctcacg acagccagag 2640
gcggcttcaa attacgagat gttaatgcag gcgttgtatc aagctacaac gaatggacat 2700
ggtccacagc aaaacgccag ctag 2724

<210> 20440
<211> 192
<212> DNA
<213> A.fumigatus

<400> 20440
ataacccatg tgcatcttgc cgaagaagtg atcggccaag cggcgatcgt tatcaagacg 60

actcagatag gctccgcaga cgtcgcaaac ctgcagcttt tgatgaccgg atggaccgga 120
ggtatcttgg agattcttga gttcgcgctc acaggtctct ttttggtgtt tggcggtacg 180
aatcttgtgt ag 192

<210> 20441
<211> 432
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (271)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20441
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atggttgtcc gctccttttt ccccctactg tcccttctga tcgcgttggc gaccttcaca 120
tccgcctcat cggactacca tgaagctttc gtcctgcagc cgcttcctca atcctccctg 180
ctagcgtcat tcaatttcag gggcaacact tctcaagaag cctttaatca gcggcatttt 240
cgctacttcc ctcgtgctct tggccaaatc ntacaacaca cccacaccaa ggagctacat 300
attcggttca caacagggag atgggatgct gaaagctggg gtacacgtcc ctggaacggg 360
acgaaggaag gaaatacagg tgtagagcta tgggcatgga ttgatgcgcc ggacagtgaa 420
aggtgggttt ag 432

<210> 20442
<211> 423
<212> DNA
<213> A.fumigatus

<400> 20442
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tgcgcatcgc tgaatttcat tgattcgact cgaacgactc gaccggttgt atcatttgag 120
cctaccggga atcattaccc ttccagtgac ctgcatctgc tgcatggaac gcttcctgga 180
gaagttgtct gtacggagaa cctgacgccc tttctgaaat tacttccctg caagggcaac 240
gctggtgttt ctagtctgct ggatggacac aaactatttg atgcttcctg gcagagcatg 300
tctgttgatg tgcgtcccgt ctgccctcaa ggcgggaagt gtcttatgca aatcgaacaa 360
acagtagaca ttgtgttaga cattgagcgc tccaaacggc ctcgaggtga gttgtcaaag 420
taa 423

<210> 20443
<211> 951
<212> DNA
<213> A.fumigatus

<400> 20443
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aattgccctt cacgaaccga cgacactcta aagcatccgg gctggaacca gaatcctccc 120
gcgttgaatg cagatatgac tactcgaaat gatctcaacg gcattgccaa ctccaaagta 180
caccggaggc atgcatcagg gatgggagga gtctcaggag aaggcattat ggagacagac 240
tctcagtcac acaatcaaga ctgtaccgaa tccgagatcg tggagacgaa gacactaggc 300
ggagtgattg ctgctgcctc cgggtacgaa aatccccaaa gtcacaggga atcgccccgc 360
cgttacacaa atttgactac aataatcacc tcccatatta tccacgtcag gcagagtctt 420
gccaagttcg ctcgcttcgt gggccccggg ttcttgattg ctgttgctta cattgatcct 480
ggaaattatg ccaccgacgt ggctgctggt gcagagttcc gatatgcgct gcttttcatt 540
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gtgaccggcc tcaacctggc ggagaactgt agggaacatc ttcctaaatg gttggtatac 660

attctgtact tcttgtcaga agccgccatt gttgcgactg acattgccga agtatggcct 720
gcctactcga ctgtactttc attccctttc cgagccctga ctgaccttac gtctaggtcg 780
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ggctgcgact ttttgaatac tttgttatgg cattggtcct gggggtggta g 951

<210> 20444
<211> 894
<212> DNA
<213> A.fumigatus

<400> 20444
tacagtccaa agggtgagtg gattcccgtg caagctatgt taaggcctat ggtactgact 60
gaagctattt tccaatccag tttataccag agctgcggta tcctcggcgc tacggtcatg 120
cctcactcaa tatttcttgg cagtggtgtc gtccagccgc gattgaagga gttcgatgtc 180
accaagggat atgtggaccc ggccgtctgt cttggaagca ctgacgggaa agtcgagtat 240
aggccgtcca ttcacgccat ccgaggttgc atgaagtact cgatcattga gttatcgctg 300
tcgcttttca cctttgctct ttttgtaaac agttccatct tgatcgttgc tggtgcctcg 360
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tccgcgggaa ttgtgtgcac tatggcaggt caaatggtga gcgaggggat gctgaaatgg 540
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attatcgcag cagctgtggg aaaggatggg ttagacaaaa cccttaccgc cagtcaagta 660
gtactgagcg taattctacc cttcgtgacg gcaccgttga tctatttcac ttgccgcaac 720
cgttatatga ccgtgccagc tgatcgcgtt ggcggagagg aggcggacaa tctgtccgaa 780
ggagtcaaga tgcgaaataa ttttctggtt tctgcgctag ccctcctgat ctggttggtg 840
atcgcggtga tgaacgtggc gttgctggtt cttgtcggat tgggcaaggc ctga 894

<210> 20445
<211> 1431
<212> DNA
<213> A.fumigatus

<400> 20445
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atttcggcaa atgccactca gaacgaccaa tcctgcattg gacccaatag cctgactcgc 180
cagcttgtct ccgcgcagtg cgtagagacc ctaatcacag ccatgttgca aggtggaaat 240
ccgttgacag tgggcgttgg tatcgtaatt gaagttattc ggaaaaataa ctcggattac 300
gatccagaga ccatcggtgg ccctgattcg cctcctacga catacgaccc tatctatctg 360
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tccaagcata caatcagtga caatgggaaa gtacgaagtg tggagagagg acagcttagc 480
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atggcagagc tgctgcactg cagtaacatg ggtcttctga acgaacccgg aagtgatgaa 600
tatgtccgcc aacgcgacgc tgaacgagag agactgttcc gcgaaggtgc cttcaatccg 660
cacaaggagt tgtctgctct tgaaggaaac gattccacca cagactttat caatggttct 720
gttattgact gtggctcccc tgaagattct cgagtcattg aaattttgaa cgctggtgag 780
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caggaagata tcgggaagtc tgagactctc ccctcgaacg actcgaatac tccctctgct 1140
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caaaaggaac cagtaacgtc aacaccggat cctgctgacc aggccgggaa tgctcaagat 1260
tccacggacc atggatcaac atcggtgccc tcaaacaccg atgctgaaga cttgcgggcg 1320

cacatcaatt cctacgttca actcgatccg aacggccagc ctgtcgtcgg tgattatctc 1380
aaaattatgt ttgtgaagaa tcaggtcgta cccacgatac tagtaagtta g 1431

<210> 20446
<211> 213
<212> DNA
<213> A.fumigatus

<400> 20446
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gagatcaagg cctctggtct gcgtggccgt ggtggtgctg gtttcccctc gggtttgaaa 180
tatgtaagtt ttccaccatg cgaaatacgg tga 213

<210> 20447
<211> 861
<212> DNA
<213> A.fumigatus

<400> 20447
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aaactgatcg agggttgcct cgttgtcggt cgtgcgatga acgccaccgc cgcctacatt 180
tacatccgtg gtgaattcta ccacgaagca accgtcctcc agcgggccat caacgaagcc 240
taccaggctg gtctcatcgg taagaacgcc tgcggcacag gctacgactt cgatgtttac 300
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gagggcaagg ccggcaagcc tcgcctgaag ccccccttcc ccgccgccgt tggtctgttc 420
ggctgcccca gcaccgtcac caatgttgag accgtcgccg tctgccctac catcatgcgc 480
cgtggagcca gctggttctc ctcgttcggc gccgagcgca actctggtac aaagctgttc 540
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cgtgagctga tcgaccgtca ctgcggtggt gtgcgtggcg gctgggacaa cctcctcgcc 660
gtcatccccg gtggctcctc cactcccgtc atccccaagt ccgtctgcga taaccagatc 720
atggatttcg actccctcaa ggactcccaa tccggtctgg ggactgccgc cgttatcgtc 780
atggacaagt ccaccgacat cgtccgcgcc atctcccgtc tgtccaagtt ctacaagcat 840
gagagttgcg gccaggtctt c 861

<210> 20448
<211> 753
<212> DNA
<213> A.fumigatus

<400> 20448
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gacaagcctg atgtcagtct cgaagagttg ttggacgagt cagagttgat ccaggagctc 120
aagcaacata atacgaaact catagaatat ctacgagaag ataatgtctt gaaacgcctt 180
atggactacg tgattgcacc cagcctggtg aacgaggatg atgatgatga cgaggacgat 240
tcgaacgact ctaatgcccc tcaaacgaat caagatgctt caaccggagg agagaagaaa 300
gtcgaccctc tgaaggagat cttagatcct gaagatctgg accgagctga gaagaaccgt 360
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tcaataatgg cgaacagaag ctatctgcgc gacttctggg gctttgtgag gagacgacca 480
tctctggatc ctatccaggc aggctacttt acgaaagtca atgaaacgtt gtttgatcga 540
aagaccagtg agatgctgga gtttttcaag tctctagagg gtatagttcc ggcgatcctc 600
cagcatgtcg acaatcccat ggttatggac ctcttgttga aaattatcag tctggagaag 660
gccgaaggag gccagggaat tgtggatgtg tgttcatcag aaaataatcc cctgctttct 720
atggtccaga ctgacaccca tcacagtggc tga 753

<210> 20449
<211> 720
<212> DNA
<213> A.fumigatus

<400> 20449
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tttgagacag ggcgcatcac acaggcgatt gttgccggac aaaaacgaag cgatgaagcg 180
cagcggacgc aacgcatcag actcggctac atggggcatc ttaccctcat tgcggaagaa 240
gtggtcaagt tcagcgagcg tcatccgccc gaactacttt ctcctacggt gatggaaagc 300
gtcttgaacc cggagtggat cgattatgtg gagcaaactc tttccgagac gcgagagcga 360
gataatgcaa tcctcggcgg tgtacgacca gatatggcta tcgggcaccg ccagggcctg 420
ctgaatcaag gtcaaagcat gaacacttct tcagcactcg ccgaggctgg cttgaatggc 480
ggcatcagca attcaggctt ccaaaacttc gacatgaacc agggcagtgt ttctggtggc 540
gcttttggtc ttggtagcgg cagcagctct ctgctgagcg gctttggaag ctccagcgac 600
gatgaggatg aggaaatgga cgaacaagac gacaaaaacc taaccgagca atccgccgaa 660
ggcggttctg aaaacgtgag tgatgattta tttactgacg ttgacatgga cgatgcatga 720

<210> 20450
<211> 273
<212> DNA
<213> A.fumigatus

<400> 20450
gtcactcagt tgtctggaca ctgttctagc ccggatgact tgactcatgc agaccctctt 60
gcgccccgca ttttcatagt tgactctatc tcttttgctg taacacaagc cacagcacat 120
gctgacgtct ttatgaactt agggatctac gaactcaacg agtcaaccta taccaattct 180
tcctccacct cctgctcccc tcagcctcgg accatctcgc gcacgacggc aactggcagc 240
acggcttgcc gctcagaaac agcaagctgc tga 273

<210> 20451
<211> 459
<212> DNA
<213> A.fumigatus

<400> 20451
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tctatcccgc gtcaattccc agcaactggg ccatccacca ccatgatatc tcgagcggcg 120
gctccatcgc cttcctcaat cgccaacctt tcctcccgct ctctccgcat tcagggttcg 180
gctgcccgct ccttcgccag tgtccaggac accacacacc ccgtacggca acatggcggt 240
ctgcgggacc aggaccggat attcacaaac ctttacggac atcacggcac tgatttgaag 300
tcggcaatga agtttggaga ctggcacagg actaaggata tcgttttgaa gggtcatgac 360
tgggtacgct tctcctttgc ggccaccaag gacattctgt ggccatgcac tcgttttgcg 420
gggttatact ggaccttgag gctaatatgt tgtgcttaa 459

<210> 20452
<211> 222
<212> DNA
<213> A.fumigatus

<400> 20452
agccccccct ccccgccgcc gttggtctgt tcggctgccc cagcaccgtc accaatgttg 60
agaccgtcgc cgtctgccct accatcatgc gccgtggagc cagctggttc tcctcgttcg 120
gcgccgagcg caactctggt acaaagctgt tctgtatttc cggtcacgtc aacaatccct 180
gcacggtcga ggaggagatg tccatccctc tgcgtgagct ga 222

<210> 20453
<211> 276
<212> DNA
<213> A.fumigatus

<400> 20453
gtcgtgggtt cagctattgc tctcaacctc cttcttaaaa tcccgctggt tgctggatgt 60
gccatcacgc tcgccgatgt tctcttcctt ctcattttct atagacccaa cggatccatc 120
tgggggctgc gacttttttga atactttgtt atggcattgg tcctgggggt ggtagtatgc 180
ttctgtatac agctttctct tatcagggaa caatccgttc gcgatgtgtt tagaggctat 240
ttaccatctt ctgccatagt acagtccaaa gggtga 276

<210> 20454
<211> 519
<212> DNA
<213> A.fumigatus

<400> 20454
cccagaccac cagcaggctc cttgaccttg gcttgttccg gaggctcatc gataaattgc 60
ggcggcgcca cctcatcttg catgaagcta ggcaaggaac tctcgcccat cgcactctca 120
aacatggact cctcacccaa cgcctccaac tccgcatcga gctccgcctc atccacatcc 180
tcggggatat catacgctcg cgaaatactc tcctggattt cattgccaat atccatcaga 240
tccgccatct cgtcctgcat gcgctcgatc ttgtctatgt cgaccttgcc atactgcttc 300
ttcagctcct tggtcgtcgt cttcatcgcg tcaacggtcg tcatcacgtt cttcaagtta 360
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gcttcgtact gtttccggcg ctgcaggacc ttgagtgcct tctggcgaag cgcgttcttg 480
cctggtccgt cgcgcatctt ggcaattttg gcttggtag 519

<210> 20455
<211> 237
<212> DNA
<213> A.fumigatus

<400> 20455
ccagtgtcaa ttatcgcaag cgcgacatta tcggcgtttc ttttctctgt gtttgttgat 60
agtctgcagt cttccgtctc tcctctttac tggactttgt acgataactc agccgaaatc 120
aattcattgt tatttttttt ttttttttttt ttttttttttt ttttttttttt ttttgcgcgg 180
agtatattgt caaaatttga cattccacga ttgacggctt taggactaaa gagctaa 237

<210> 20456
<211> 303
<212> DNA
<213> A.fumigatus

<400> 20456
tgtgttaaca aaaccaacga tagggacctc tacctctggt cttcatccat actggtgtcg 60
cgggcgtttt cagctaaggt gcttgctgag ccagttactg atgtggaact gcctgaagat 120
ggtgtgtcag tactcctgcc ctgcattgac ttgatgaacc atcgacctct tgcaaaggta 180
gaatggcgtg ctgggaagca agatgtagcc tttgtggtgc tggaagacgt tgcctccggg 240
caggaaatct caaataatta cgggcctcgc aataacgaac agtgtaagtc gcaagtggaa 300
tga 303

<210> 20457
<211> 882
<212> DNA

<213> A.fumigatus

<400> 20457
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gatgtcggtg gacttgtcca tgacgataac ggcggcagtc cccagaccgg attgggagtc 120
cttgagggag tcgaaatcca tgatctggtt atcgcagacg gacttgggga tgacgggagt 180
ggaggagcca ccggggatga cggcgaggag gttgtcccag ccgccacgca caccaccgca 240
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gttgacgtga ccggaaatac agaacagctt tgtaccagag ttgcgctcgg cgccgaacga 360
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ggtgacggtg ctggggcagc cgaacagacc aacggcggcg gggaaggggg gcttcaggcg 480
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gtagaattca ccacggatgt aaatgtaggc ggcggtggcg ttcatcgcac gaccgacaac 720
gaggcaaccc tcgatcagtt tgtggggatc cttgcgcatg atctcacggt ctttgcatgt 780
gcccggttca ccttcatcgg cgttgacgac caggtatcgg ggtctgggat ccttatccca 840
atccttgaag ttcatgaaag actaatgcag ataagagatt aa 882

<210> 20458
<211> 231
<212> DNA
<213> A.fumigatus

<400> 20458
atagcctcta aacacatcgc gaacggattg ttccctgata agagaaagct gtatacagaa 60
gcatactacc acccccagga ccaatgccat aacaaagtat tcaaaaagtc gcagccccca 120
gatggatccg ttgggtctat agaaaatgag aaggaagaga acatcggcga gcgtgatggc 180
acatccagca accagcggga ttttaagaag gaggttgaga gcaatagctg a 231

<210> 20459
<211> 183
<212> DNA
<213> A.fumigatus

<400> 20459
cctggggcat cttcccgcat ctttaggcgg caacatctgg tgctgatccc ccatccctac 60
atcactccgc actgtactca ctaccctatc tcgtacttga cacacaccct caagaaagat 120
gaatcgacta tttggaacaa aaaacacggc tcccaagcca acgctcgacg atgctatttc 180
taa 183

<210> 20460
<211> 603
<212> DNA
<213> A.fumigatus

<400> 20460
caccccgcca tcacaaaggt agacaaccgc atcgcgagca tcgacgttaa actagcctct 60
ctcaacgccg agctctcaac ctaccaagcc aaaattgcca agatgcgcga cggaccaggc 120
aagaacgcgc ttcgccagaa ggcactcaag gtcctgcagc gccggaaaca gtacgaagcc 180
caacgggacc agctatccca gcaatcctgg aacatggaac aggcagggat gatgcaggat 240
aacttgaaga acgtgatgac gaccgttgac gcgatgaaga cgacgaccaa ggagctgaag 300
aagcagtatg gcaaggtcga catagacaag atcgagcgca tgcaggacga gatggcggat 360
ctgatggata ttggcaatga aatccaggag agtatttcgc gagcgtatga tatccccgag 420
gatgtggatg aggcggagct cgatgcggag ttggaggcgt tgggtgagga gtccatgttt 480
gagagtgcga tgggcgagag ttccttgcct agcttcatgc aagatgaggt ggcgccgccg 540

caatttatcg atgagcctcc ggaacaagcc aaggtcaagg agcctgctgg tggtctgggc 600
taa 603

<210> 20461
<211> 801
<212> DNA
<213> A.fumigatus

<400> 20461
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ttgacagtct gcagcactga ttcgggacga gtgcttatca aattggagat gaatcatgct 120
atcatagatg gcggatcagt tgacctgctt ttgagggacc tagcaatggc gtacaagcat 180
cagctgccag aaggatccgg tccgcacttc agtgactaca tcaaattcgt ccgcgggaaa 240
tctcaaagcc aagctttatc tcactggaga caatacttgt ccgatgcaca tccctgccat 300
ctcacgttct ccgaaggaac aggtggtagt cgtcaattag gatcagtgat ggtgccgttc 360
agccggtatt ctgagctgca acaattctgc gagaagaact ccgtgacact cgcaaatctt 420
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tttcaaagac agtgcaagat gactatatca agaaccttcc ataccaggat tgttccctcg 660
caagtattca gcatgaactt gggcaaaagg agctgtttaa cacgacaatc tcgattcaaa 720
accaccacgc tgtctcagaa gaatctggaa atgacttgct ctcttttgat gtacagacgg 780
cgcatgaccc gacagaggta a 801

<210> 20462
<211> 2031
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (161)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20462
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gaacctgact ttccggccga cagcaacaat gagagacttg ntgaacttcc taggttggtt 180
gagttagagc ggaacccacc cccaccggag atttcactct tgaaaaccgt tcctttgaac 240
gacagtgctc tgcaagatgg aatttgcccg aagattggcg tgtttaaagg aggaattgcc 300
gatgttttgc ctgttacgga cttccaagcc atgtcgataa cggctacatt gttcaagtcc 360
cgctggatgt tgaactactt ctttttcgac ggacgaggat ctctggatct gagaaggttg 420
agagagagcc tcttgcgcgt tgtcgatgct ttcgacattc ttcgaacagt ctttgtctgt 480
ttcaatggcc aatttttcca agtggtgctc agaaagatac ggccaaacat ctttgttcat 540
gaaactgaga agaacttgga tgagtatact gagtacctac aacagcaaga tcgcgagcag 600
gaggcgcggc aaggcgaaca gtatgtgaag ttctacatcg tgaagaagaa gggcagcaac 660
caccaccgga tcttgattag aatgtcgcac gctcaattcg acggactatg cctgcctacc 720
atcatgtcag ccattaaatt gggatacgag ggcagtactc tgccccctgc tccttccttt 780
gcgaactaca tgcgcatgct ctcgggagca atcactccag accactatca gcattggaca 840
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cccttcgagg ccttgggttt cacggagatc atcagacgct gtactgactg gcccagttcg 1260

acatacttta ccacctcggt gttccaccag aatgtcgagt acgagggcca gatgcagtta 1320
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gatgagatcc ccctacctgc agcgagaaca ggcacttcga gttctctagg caaagccttg 1980
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<210> 20463
<211> 216
<212> DNA
<213> A.fumigatus

<400> 20463
tcactcgttc ttattatttt cctttattat tttggcgtgc atatcctgtg gtcgtacaca 60
ttttctttat cttggatatt ttactctcat gctcgagatg gtttcggtca ttctgtgtat 120
attggcggtt tggctgctgg actaaatttt attttattta cttgttttgc aaatatgcat 180
tgtttaatga atctagtatg taattatatc tattga 216

<210> 20464
<211> 297
<212> DNA
<213> A.fumigatus

<400> 20464
ccagactacc tgtctctctg cctaatattt ataggattct tttcacgtca gggaaacaca 60
tcgacccaat ctctctcgcc taaccggttt cattcatcct cacacaacgc cgccatgtcg 120
aacacaacac agacaaagga taagcccgaa acctccgaac agtccacaca gcagaagccc 180
accgtactag aggaagacga cgaatttgag gatttcccag tcgaaggtga gcacctatcc 240
aaccccgctc acggcgaggc ggggcactcg cccaatataa tcacgagcta cttctga 297

<210> 20465
<211> 315
<212> DNA
<213> A.fumigatus

<400> 20465
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tcctcagcgc cgtacttggc cgcaacagta gctgtgtcac caccaccgat gataacgatg 180
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tggaagatca gagtc 315

<210> 20466
<211> 474
<212> DNA
<213> A.fumigatus

<400> 20466

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tcgttatacc gggacgtgaa ggaaacagac tctgctaaag ccgcaaagca tgccgaattg 180
gctgagaaat atttccgaat ggcccccaca gtagcgggaa agaagcgttt catggcacga 240
caactgcctt tcgatgtatt tgtggctcgc aagtttgcta aatgggaggc acgcgccaag 300
gagtggaagg tgtctctggt cgatgcggtg ggcgttgacc cgattgagga aatgattttc 360
ttttggaacg gccatagccg tatgacggat gagcagctgc aagagtcgtt gcagaaactg 420
gcctggagtg aatccagcgc gaatacgacc tggtcccgag aaggtcccga gtag 474

<210> 20467
<211> 459
<212> DNA
<213> A.fumigatus

<400> 20467
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cgaagtcgag aacctggaca aactgcgcgt ttcacgcacc ctttgtcgca tagcaaaacg 300
tcggaagatg tcattgtgga ttttgatggg cctgatgacc catacaggcc attgaactgg 360
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<210> 20468
<211> 516
<212> DNA
<213> A.fumigatus

<400> 20468
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tatgaggacg gcaaggtttg cttattggcc tttccaggac ttggtccgct tgtatttgca 180
cctctctccg aagtatacgg gcgtaaatca gctgttctca taccctactt catcgccgcc 240
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ttcacgggat tcttcggctc ggctcccgtc accaacactg gcggcgtctt gggcgatatc 360
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cctgtacttg ggccaatcgt cggcggtgct atcatccaga gctaccttgg ctggagatgg 480
acacaatacg tgagtgaggc tcatacggct tggtaa 516

<210> 20469
<211> 897
<212> DNA
<213> A.fumigatus

<400> 20469
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<210> 20470
<211> 1206
<212> DNA
<213> A.fumigatus

<400> 20470
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gcacagcaca actcgtatgc gccgaacact taccactcgc cgatgtattt gccaggaacc 180
gagtttgcgt tgtgccaggc aatagcgcaa ctcatgagcg ccatagtcgg ggtgctgaat 240
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gatgccattc tgaagatgga acagaaatac atggaggaat cgcgcgcggc gacgctggta 360
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<210> 20471
<211> 270
<212> DNA
<213> A.fumigatus

<400> 20471
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attgtcagct gccggtatgg ccagagttcc ttcctcgagc atttgactga ttatttcagt 180
gacacggcga tcgataagtt cctgaaggga cttgctgtca atgaactgac cgcccttcat 240
caattgtccc ccacggaggt ccagctctga 270

<210> 20472
<211> 288
<212> DNA
<213> A.fumigatus

<400> 20472
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ttcgagatgg aacccttcgc caacggtacc aagcagactc tggatgctgc tgttgatgcc 120
gccaagaacg gcgccatcgt tatcatcggt ggtggtgaca cagctactgt tgcggccaag 180
tacggcgctg aggagaagct tagccacgtt tccaccggtg gtggtgcctc gctggagctt 240

ctggaatgca aggagctgcc tgatgttgct gccctatcaa gtaagtaa 288

<210> 20473
<211> 558
<212> DNA
<213> A.fumigatus

<400> 20473
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gaaggtagcg aagaagaaga ggagttcgaa gaagacgagg gcgaaggcga agaagaagaa 120
gaggaagagg aagagccctc caaggacaaa ggtatttcca tctctatatc tacccttctc 180
tgcccatatt caatactctt cgcaactaac gttcttcacc accagctcct ccctccaagc 240
gaagaaagac agcccctgag ggcgaggcca aggagaatgg caacggtgtt cctgccaaag 300
acgaggatga agaagaagaa gaagaagaag aagaagaaga agaagaagaa gaagaagaag 360
aagaagaaga agacggagaa ggcgagccag aggatgaaga gcctgcggac accgccaaaa 420
ccagcactcc tgctgcagca gcgaccaagg ctaaggggag cgctggtccc gcggaggccg 480
aggttgaagt tggggaggag aatgagaagt aatttattat cattttgttg caataggctt 540
ctggtgagca gatactaa 558

<210> 20474
<211> 543
<212> DNA
<213> A.fumigatus

<400> 20474
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ctgttccctc ccgcacctct tgccctggtc gacaaatcta ctggtggagt acagaaaccc 180
aaagcgggag tgctcggttc ccatgacagc gtgacggggg ctccggagaa atataaaggt 240
gaagccgccg aacaagaagc aagtaatcta atcgccagcg ttgccacggt tgctgtggga 300
agcgctgccg gcaaacatga tcaaggcaca cccgaaaatg ctcccatgga atcgtcagtc 360
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taa 543

<210> 20475
<211> 240
<212> DNA
<213> A.fumigatus

<400> 20475
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gtcaacaatt cgcgtatcat tgatcatcat acgcacgccc atagatcgcc ccacttccga 180
cagctgatcg cagggttaca aatcgcgagt cagcgacggt tggttgcatt actcgcatag 240

<210> 20476
<211> 780
<212> DNA
<213> A.fumigatus

<400> 20476
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cagtatgcca tcagtcccag agcactgtct aatcatcgcg gtgcagccga cagcccatat 120
gtaaggacgt atccatcaaa aggggtggtc ctgcattacc atttcgccaa gttccagctg 180

aattcgcttt ctcttcgtgc gttgtctccg tccaataccc cagtgttctc catggatcgg 240
aaagaatcgg ccaacatcgc catttcatcc gccatggcct gtctgaatat ggtgttggag 300
gaacaggata tccgcgacgc cattgtgggt gttcctattt tcacccatac catggtcaca 360
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atggcccagg gatttccgcc gccggacctc atttacgaca tggttggcac ttatggtttc 720
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<210> 20477
<211> 303
<212> DNA
<213> A.fumigatus

<400> 20477
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aaggagaatg gcaacggtgt tcctgccaaa gacgaggatg aagaagaaga agaagaagaa 120
gaagaagaag aagaagaaga agaagaagaa gaagaagaag aagacggaga aggcgagcca 180
gaggatgaag agcctgcgga caccgccaaa accagcactc ctgctgcagc agcgaccaag 240
gctaagggga gcgctggtcc cgcggaggcc gaggttgaag ttggggagga gaatgagaag 300
taa 303

<210> 20478
<211> 981
<212> DNA
<213> A.fumigatus

<400> 20478
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ggccaattgc ttgcaaagga gctcctcaat gacccctctt accacctcac attgaccgat 120
atccacgagc cccccatccc caagggcgtc aaatacccc agaatgtaaa gattatcaaa 180
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ttccacggca tcatgtcctc cgggtccgaa gccaacttcg acctcggaat gagcgtcaat 300
gtcgacgcga ctcgcaccct cctcgaggcc ctccgcagaa cctgccctgg tgtccgattc 360
atttactcct ccagccaagc cgtttacggc cgaccgcttc ccgacgtagt cgacgacagc 420
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ccgttggcgg ggaaggagtg tgtgattccg gttgaagatc gatcattcaa gtcatggctc 660
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ttgcctccgc atatccggtc aatcaatgtg cctggtatct gcgtcacggt gcaggaaatg 780
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gatccaacgc tgaggccgat tctggattcg tggcccacgc gttttgacaa ttctcaggcc 900
attgctttgg gattcaagcg tgactcgtca ttcgagcagg ctgttcaaga ttattacgag 960
caggaggtat tggggagatg a 981

<210> 20479
<211> 1218
<212> DNA
<213> A.fumigatus

<400> 20479
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atctcaggta taaattctcc cctcttctca tgcttctgct ccccttctc tctttccctc 120

cttaccctgc ttcacatcaa taatcttctc tttcttgtta gaatcttctc actctcatcg 180
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<210> 20480
<211> 660
<212> DNA
<213> A.fumigatus

<400> 20480
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gctgcagcca ttatccgtgc cgtggcaatc accggcaaag cgtactcgga tcaagctgct 180
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aatacgcgtg ctgccccgcc cccagagccc tcccgcctga gtctctcaga ggatgacgct 600
gggcatggtg aaatcaggat ggtgaaagaa tttgtgagaa tattcctatt ttctttctga 660

<210> 20481
<211> 828
<212> DNA
<213> A.fumigatus

<400> 20481
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aagaagccga tcctgtgtgc cacaaggact ccgattgcgg tccaggtgtt ggctactgct 720

accatggcat ttgccttgct gagcctccca agtgaggagt tttgttggct cactggaagc 780
aagtggttgt tgctggtaag ctttcttctc ttctcttctc tgacatga 828

<210> 20482
<211> 186
<212> DNA
<213> A.fumigatus

<400> 20482
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ctattttgtg ataatcggtt gatcgtcctg actattaaga tcatgatatg tgctgtctcc 120
agcaaaacaa atgtcaagat acaaatggcg tcaagtctgc acggtggtca actgcaacac 180
cgttga 186

<210> 20483
<211> 288
<212> DNA
<213> A.fumigatus

<400> 20483
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tctcttcccc tctctctcct catcatcaca tacacacata ctttcgttct tactcagtgg 180
ataaaatcag caaccatggt tgtcaagact ttcttcgata tcaccattga tggccgtaag 240
tttccctgtg gttctattct atctgtcaga gtgagggaca tgttgtga 288

<210> 20484
<211> 303
<212> DNA
<213> A.fumigatus

<400> 20484
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tag 303

<210> 20485
<211> 309
<212> DNA
<213> A.fumigatus

<400> 20485
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ggattcggtt acaagggttc cagcttccac cgcatcatcc cccagttcat gctgcagggt 180
ggtgatttca ccaagggcaa cgtgagttca attgtcaagc ctactctggc gcctttgcag 240
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ctacggtga 309

<210> 20486
<211> 639
<212> DNA
<213> A.fumigatus

<400> 20486
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ccaggtcctt accagaatgc ggaacagtgc gcctacgtga actcgcaatg gtacaattct 180
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ggcaagacgt gtatgccgaa gtcttcaagc gcaacttga 639

<210> 20487
<211> 945
<212> DNA
<213> A.fumigatus

<400> 20487
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gtcacggcaa acgcttgcca gaactctgat ctgtactttg ctatccgtgg tggtggcgga 180
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tggtctatca acggacccat ggccctcttt ggcaaccaga ccattggcta cgtacatgcc 420
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tccgccttga cctcgcgcat gttcgacaag agtgctctga ctgtgaatcc ttccatcctc 660
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atggtcggcg gcggaaaggt gctcacggac ggctctgatc cttactcggg cgtgaatcct 780
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ctactcacgc cgttcttggg cagctacatg aacgaggtgc gttag 945

<210> 20488
<211> 192
<212> DNA
<213> A.fumigatus

<400> 20488
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ggcagcatga catactacca gaagaacttg gatggattgg attacggccc actgtgttct 180
attggcttct ag 192

<210> 20489
<211> 183
<212> DNA
<213> A.fumigatus

<400> 20489
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gctcacgtcg tcttcggtga ggtcgaggac ggcatggacc ttgtcaagaa gattgagagc 120

tacggcagcg cgagcggtac ccccaagaag aagattacta ttgccgactg tggtcagctg 180
taa 183

<210> 20490
<211> 792
<212> DNA
<213> A.fumigatus

<400> 20490
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gcaatcgctg cgcacggtga cactttggtt agcgggagtt atgattgtac cgtgagagtg 120
tggaaaatat cgactggaga gactattcac cgacttcagg gccatacact caaggtatac 180
agcgttgtac ttgaccacaa aaggaatcga tgcatcagcg gttcaatgga caacacagtc 240
aaagtgtggt ctctcgatac tggctcgatc atttacaacc tagaaggtca tagttcactt 300
gtgggtcttc ttgatttgaa gtgcgaccgt ttggtctctg cggctgcaga ctctactttg 360
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attacctgct ttcagcatga tggccagaag gtaatctcgg gatctgatcg gacgttaaag 480
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tggcaggtca aattcaatga tcgaagatgc gttgctgcag tacagcgcga tgctctcacg 600
tatattgagg taagtcgtgg aagtgtctgt caatctgcca ccatcatcat taaccatctt 660
caggtccttg actttggggc ttctcgcgac ggtgtcccgg aggatcagtt ggggagacgg 720
atagttgtca accgatgggg acaggagatc ggtgacaatg ctgacgaaga ttacgatcta 780
tctgacggct ga 792

<210> 20491
<211> 183
<212> DNA
<213> A.fumigatus

<400> 20491
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cccaacatga tcaacgccgt cctcgtcttc aacaataatg ggcaaccgcg cctcactaaa 120
ttctataccc agatcgtgag tggcctggac gtcgcagttc ctagggaaat cggtcggaaa 180
tga 183

<210> 20492
<211> 240
<212> DNA
<213> A.fumigatus

<400> 20492
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ccagcccaag cgcaacctct cccgcttcgt caagtggccc gagtatgtcc gccttcagcg 120
ccagaagaag attctgaacc tccgcctgaa ggtccccccc gccattgctc agttccagaa 180
cactctggac cgcaacaccg ctgcccagac cttcaagctc ctcaacaagt accgccctga 240

<210> 20493
<211> 189
<212> DNA
<213> A.fumigatus

<400> 20493
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aagaagtatg aggggctatt agagaagaaa tggatcttca ccaccgaggc tggccggtac 180
cgcgcttag 189

<210> 20494
<211> 270
<212> DNA
<213> A.fumigatus

<400> 20494
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tcggagcact tcggtcacca gattagcaac gtttgccact tttattcttt tcacctgccc 180
tatttcctct tcctctctgc ccctcaagcc atgaaatgtt tagataccct ttatccacag 240
acttgttatt tatcgagagg ctttgcatag 270

<210> 20495
<211> 489
<212> DNA
<213> A.fumigatus

<400> 20495
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gcagcaaatg gtccttccga tgctcctacg caagtcacct accgcaccta tgccaccttg 180
tcctttatca tgatatccac atccactgag tcaccacttg cgctcatcga tctaatacaa 240
gtttttgtgg aagcactgga tcggatattt gagaacgttt gcgagctgga tctcatcttt 300
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accaatatcg acaagattgt tgcaggcgtg cgagaacagg aaggcaatct aggtaagaag 420
aaggctattc aagcagccag ctccggtctt ggtcgaggag ggctttcagg gcttggtgct 480
tggcgttga 489

<210> 20496
<211> 576
<212> DNA
<213> A.fumigatus

<400> 20496
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aacctctccc gcttcgtcaa gtggcccgag tatgtccgcc ttcagcgcca gaagaagatt 180
ctgaacctcc gcctgaaggt ccccccctgcc attgctcagt tccagaacac tctggaccgc 240
aacaccgctg cccagacctt caagctcctc aacaagtacc gccctgagac caaggccgag 300
aagaaggagc gtctccacgc tgaggctacc gctgttgccg agggcaagaa gaaggaggat 360
gtctccaaga agccctacca cgtcaagtac ggtctcaacc acgttgtcgg cctcgtcgag 420
aacaagaagg cttcccttgt tctcatcgcc cacgacgttg acccgattga gctggttgtc 480
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cgtctcggta ccgttgtcca caagaaggta agatag 576

<210> 20497
<211> 225
<212> DNA
<213> A.fumigatus

<400> 20497
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tacgaggagt cccgccgcca ctggggtggt ggtatcatgg gctccaaggc cgttgcccgc 180
atggagaaga agcgcaaggc tgctgaggct gccgtcagag tttaa 225

<210> 20498
<211> 657
<212> DNA
<213> A.fumigatus

<400> 20498
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gcacggttga cttccgtgga ctcggtcagc aattttgtgg cggcatcggc aatggctttc 120
acttcagctt tcgatggaac atctctcgtg gttcggaggc agcgaatcag gaatttcagg 180
gtttcctgct tcacctgtgg gttcttatgt ttgagaaatt ctaggatctc ctctagacaa 240
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tctttccact tcgatgatgc cagttgctca ttaaagtcct ttggtatttt ggggaagacg 600
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<210> 20499
<211> 516
<212> DNA
<213> A.fumigatus

<400> 20499
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cagattatcc tatcgaaagt cgacaaggta ttagcaaaga gaaaaaagca ggttaagagc 240
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ttgtctgctg ctgggttcga tggcactgta gaagtgaaag ctgagtccat accgtccagc 480
tcgtccatcc gaggcgcgtc agcagctcca ccatga 516

<210> 20500
<211> 225
<212> DNA
<213> A.fumigatus

<400> 20500
aattggaaag tgagaaagga aggttacgaa gatgccaagc aacagtttga aaagacgccc 60
gatgagtcgg atccagtttt tgtaccattt ctacaagatc caggtctctg gaaaggcgca 120
gtgtcagatt cgaatgtagc tgctcaacaa gagggtcttg cgtcatattg ctcttttctc 180
aaatatgggg gtgtccaggc ttgcacacgg tatgtctacc cttag 225

<210> 20501
<211> 2496
<212> DNA
<213> A.fumigatus

<400> 20501
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gataaggcag atccgattat tgaggaaatc gttcccatct tgtcgcacaa agtaccaaag 180
gtgattgcag cggcattaag cggattgaaa gccatctatc acagcttcgg ctgcaagatt 240

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<210> 20502
<211> 600
<212> DNA
<213> A.fumigatus

<400> 20502
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gatgagaggg ttctggagtt tgttagcgaa accaattctt tccaaaaatt tgaggaatga 600

<210> 20503
<211> 663
<212> DNA
<213> A.fumigatus

<400> 20503
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atcaaaatga agacaagact ctacgtctgt acggcctgta tgcgcagaaa tttctcaacc 180
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gtcaaattat ggtccgccag caaattccgc acaacccccc tctcgtccct cgaacccgaa 420
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aaggagatgt gctggacttc atctaagcct ggcagaactc gggagatgaa cgcattcggg 540
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aagggaagca ggacggaatg gggtattgag atcttgaagt atcttcaagg acggcgccag 660
tga 663

<210> 20504
<211> 1530
<212> DNA
<213> A.fumigatus

<400> 20504
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catcgtcgaa gtatgcaaca tctccaagaa ctcgaagctc gtcttgatca actcatctcc 120
gaaaatcgac tcctcattgc cgctcgtgag gccgccgagg acaaacttcg gaatgctagt 180
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<210> 20505
<211> 378
<212> DNA
<213> A.fumigatus

<400> 20505
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gcaacaggag cttatcctag cgctgggggc tacgagacgc cagccccaca cacccatcac 120
gacgccgcat cggagggccg atctgtgacg aacaagccca agcggaggaa gaaccgtcat 180
cggaagcgtc gcaatcgtcg gcagtccttc cttgcccctg aagaatccca taatggggct 240
gcggcctcgg gtgctgacgc ggatgccatg attgcggggg atcagcccta ttctcggccg 300
gcacttccat tctataatct gggaagggat ctgagcagta caagcttgga gagtgaggct 360
ctgttggacc ataggtag 378

<210> 20506
<211> 267
<212> DNA
<213> A.fumigatus

<400> 20506
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aaatcaaccc accatgcgac ctcggagaga aagccgactg gcacagtcct ttcgacctgg 180
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<210> 20507
<211> 870
<212> DNA
<213> A.fumigatus

<400> 20507
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<210> 20508
<211> 2847
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (712),(806)
<223> Identity of nucleotide sequences at the above locations are unknown.

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gaacccctca taacaccttc agatgctcga acaacagtgc tcgccactcc tgtattcacc 180
caagcgctgg agacacctac caagaccacg gtagacgctg gggaaaggga actgcatttg 240
agtgccgttc aatccactgt tccagtggaa gacaatataa atgccttaga aacctcggga 300
gctcagacac ttgaaagctt ccgaacacta gaggcccccg aacagccatt ggagcggaat 360
attttgctga atgattatgc agcaaagact ccagaggaac tacctgctgt ggaaaagtca 420
gccacttatg agacagctac ggaaccaata atcgaagaag cagccctgag tcataagaac 480
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<211> 2019
<212> DNA
<213> A.fumigatus

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<212> DNA
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<210> 20511
<211> 1278
<212> DNA
<213> A.fumigatus

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aagccgacag aggttcgccc tggcacctcg tcgaaaagga agaggctaca tatcctgtat 180
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<212> DNA
<213> A.fumigatus

<400> 20512
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gactatgtgg atgagaagga cgataatctg aaaggcaagc gctcccatat ctgtaacagg 240
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<210> 20513
<211> 585
<212> DNA
<213> A.fumigatus

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<210> 20514
<211> 375
<212> DNA
<213> A.fumigatus

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<210> 20515
<211> 1530
<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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<211> 333
<212> DNA
<213> A.fumigatus

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gcctgtatca atggcaacga gaaactgact tag 333

<210> 20518
<211> 600
<212> DNA
<213> A.fumigatus

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<210> 20519
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<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1026)
<223> Identity of nucleotide sequences at the above locations are unknown.

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<212> DNA
<213> A.fumigatus

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<210> 20521
<211> 351
<212> DNA
<213> A.fumigatus

<400> 20521
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cccggtggag ctggagctgg caactccgcc aacctgggct cgtcctccct cttcgccgat 180
gacgacgggt tccagtcgag ctcgccctgg aatagcaacg cgaacaaacg agccgcccga 240
cacgagctcg tgaagacttt gctgcccgac gcggatgtgc cagagagtta tattgacgct 300
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<210> 20522
<211> 930
<212> DNA
<213> A.fumigatus

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cctcctcccg cggccataaa tgatccgcct tccgcgcgct cgcgacagtc cagagaaact 180
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cgtgccaacg ggcggacaga cggtgcgccc tccaccagtt ccggatctgg atggggaggg 420
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<210> 20523
<211> 234
<212> DNA
<213> A.fumigatus

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atcagccgac ttcatcagga ttggagccag gagcgagtga aatactccga gctgcaggcc 180
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<210> 20524
<211> 3264
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1531)
<223> Identity of nucleotide sequences at the above locations are unknown.

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ggtgaagcaa ctgtggccac gctgtgtggt atcatctttg gtcctcatgc cgccaatctg 180
ttcaaccctg ccgaatgggg caacgtcgac aaaatcactc tcgaatgttc gcgcattgtc 240
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ggagagaaag gtcgcgagag ttga 3264

<210> 20525
<211> 840

<212> DNA
<213> A.fumigatus

<400> 20525
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gattggccta aatccttcca tgggattccc tctgcgcgct tcaacatcgt ggaccaaggc 180
cccttgaact acagcagacc tgagttatac ggcccagatc cccgggagtg gtacagcctg 240
gaactttaca agaagtctga gctgatgtgg ggagcgcctg agatcccact tggcccacct 300
gctccgaaca accccgacta ctggacgatc aatgatgagc gtcttccaga agtcgccagg 360
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cgctatgcgg agatgctgac ccttctgtac ttccgggaca atcatccgga ggaaactttc 480
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gcaggcgaag tgcccgagaa aagtccctgg ccgtcacaac gtacaatgcc cgatggatgg 720
cgtgaagagc ttaaacggtt ggaggaggaa gaggagagga gaaagaagag gaaggaggag 780
caggaggaag agcagctgag gaagaacaaa gaaaaggtga aagaggagca gaatgcgtga 840

<210> 20526
<211> 405
<212> DNA
<213> A.fumigatus

<400> 20526
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aggtcaaaaa aacagacccg agcaagcaca agcggcgaca agaaaggaca agagaggaca 120
agagaggaca agagaggaca agagaggaca agagaggaca agagaggaca agagaggaca 180
agagaggaca agagaggaca agagaggaca agagaggaca agagaggaca agagaggaca 240
agagaggaca agagaggaca agagacagag aatggaggag aggaaagaca 300
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agacgacaac gacggaaccc aagaccacaa ccgggaaact cataa 405

<210> 20527
<211> 261
<212> DNA
<213> A.fumigatus

<400> 20527
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tcggtagctg tcacacaagc ggcgcatacg agactctcta gccagttgaa aggaggtacc 180
atccaccaaa tgaacaaact agtgaccaac cagccccaag tcatcacagg aacgagcaaa 240
agactaacag atttccaatg a 261

<210> 20528
<211> 3417
<212> DNA
<213> A.fumigatus

<400> 20528
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tttcgccgac agacacatga ggctccctgg ttggagaccc tctttgttgc ggttgccgag 240
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tttgtcgtcg ttctggaaca gctgttccgt attgtcctaa accggaacgt gcagctctct 360
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<210> 20529
<211> 285
<212> DNA

<213> A.fumigatus

<400> 20529
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ggtgcgaaat accatgttcc atttcctgtc gctgtacgat ctagtttcgg tatctggggt 180
tccttttggc cggttctgaa ccgtgccgtt atggcggtca tctggtacgg agtgcagtca 240
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<210> 20530
<211> 795
<212> DNA
<213> A.fumigatus

<400> 20530
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aggactgaca tctga 795

<210> 20531
<211> 525
<212> DNA
<213> A.fumigatus

<400> 20531
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caggtcaaag atctctatag cgccagcaag ggagggccat attacttcgt cttcggattc 180
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gtggacgcgg atgacgtgca cacgccaggg aaagtgcgct cgctggataa ggactcggat 480
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<210> 20532
<211> 489
<212> DNA
<213> A.fumigatus

<400> 20532
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ggccatgaaa accactcgga ggccatacac aacacggaca acaccagtcc aaatggcagc 180
tcgccttcta cagagtatcc ctcagagcaa catctaatgg taccctccga atattacacc 240

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gaatcctcag cgatcgagaa caacaatttg tctccatcga gtccttctgc aaagcatgag 420
agcgtcggct cccctcttgt acctgggcac acacatgcca ccgttcaatc accaaaccca 480
atgctctag 489

<210> 20533
<211> 2049
<212> DNA
<213> A.fumigatus

<400> 20533
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aatgcggcta ttactcgtac cgcgcaggat ggcagtacat atattaccaa tgctgccaaa 180
gaagcgtcgt gggtgaagat gcgcagtatc acagagcagg ccgccctcga tgagtttctt 240
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aagaagcatc agcagaataa ggggaagttg accgtgccga gaagaccaaa atgggatgcc 420
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gaggtctggc gccagctatg gcgtgtcatt gaacgttcgg acgtggtcgt acagattgtc 600
gatgctcgga atccattgat gtttcgctcg gaggatcttg aaaactacgt gaaggagatc 660
gaccccaaga agcagaacct tttgcttgtc aacaaggcgg atatgctcac tgagaaacaa 720
cgagagatgt gggctgatta ctttgagcgc aacaatatca actttcgatt tttctcggcc 780
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caagatgcca agaatgcatc aattgaagat ggccaacccg agcacgatgg aggactcaag 960
cttcccgaat accgcaaatc tcggagaacg gatattctcg atgtggagga gctggaagaa 1020
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gcaagaaccg cccaggccaa cgcaggcggc gaggaattcg acgacgaagc ggagcttctg 1740
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gactcaggtt tcttcggccc cggcgcgaag ggctcagccg gacggctcac cctgcccttc 1860
aacgcccaat acaccgaaca gggccagcaa atccgtaagc agctgaccgg ccgcaaggag 1920
cgactaatga ttgcgctgga acgaggagta aatgtgtcgg aggtgcgcgg caactcgaag 1980
aagcacttca agggcaacaa gaagagggcc aaggccaagc gcacgaaagc ggaagatgac 2040
gactactaa 2049

<210> 20534
<211> 570
<212> DNA
<213> A.fumigatus

<400> 20534
atgactcttg ggcttctgga atccattagc caacagcaac cgctccgcct cctccttctg 60
atacttgagc ttagcgacaa tggcgtcctg gcgcgacttg ttctcgcgtc taccaagctg 120

ctgcaggtgg acctcatcgg gtccgtcggc gatgcgcagc gtccggatca tggcccacag 180
attggccagg ggcgtatcct ggcagacacc ggcggcgccg taggcctgga cagcgcggtc 240
gatgacggtc agggcggtct gggggacgag gaccttggcc tgggcgatct ccttgagagc 300
ggacttggcg tcgccctggt cgatcttgat ggcggcgtta aggacgatga ggcgggcggc 360
gtcgatctcg atgcgggact tggcgatcca ctcgaggatg acgccgtggg cggacagcgg 420
cttgccgaag gtcttcttgc ggtcgtcgtt gacacgggcg atgagccact cgagggcctt 480
ttcggcggcg ccgatggtgc gcatcgcgtg gtggatgcgt ccgggcccca accggccctg 540
gataatctcg aagccgcggc cctctcctag 570

<210> 20535
<211> 864
<212> DNA
<213> A.fumigatus

<400> 20535
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ggcgggcagc cgaggttcaa aaggagtgct cggctgcttc tccgcaaact gcgagtactc 120
cgcaaatcac ctccatctcg accctcgtat gatcctgtca gtctcaccct cttgctcaac 180
tttataatcg tccacttccc ctgtttattg cgtctggatt tatattctct agcccacagc 240
agattgctag attcccttcg tttttcgtcg attcactaca tacacgacat gtccgcctcc 300
acaaggattc cccccatcgc tcagcccttt gtgagcgacc gggcaaagag ggtcctcgac 360
ctggtacgtt gtctcttcac aatatcgcct ggatacaagt tttctaacac ttgccgcggt 420
gttcaggttg aagaattcgt cgagaaagac tgcatcccag ccgaagctgt attccaggcc 480
cagctcggcg aaggcgagaa gagatggcag actaacccgg ctgtgctaga ggagctcaaa 540
gccaaggcca ggaagctggg cctgtggaac atgttcctgc ccaagaatca cttttcccag 600
ggtgctgggt tcagtaacct ggagtatggt ctgatggccg agtatctcgg caagagcaaa 660
cttgcttctg aggtgggtga cttgagtcgg gtacttgcaa agagtgatga tgggggtgct 720
gactggtgga ttttcaggcg acgaataact ctgcccctga taccggtaac atggaggtgc 780
tggccaagta tggcaatgag gcgcagaaga agcagtggct tgctcctctg ctcgacggca 840
agatccgctc ggctttcctc atga 864

<210> 20536
<211> 336
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (55),(163),(277)
<223> Identity of nucleotide sequences at the above locations are unknown.

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gccaaagttt ggcaaaccag ccccccacaa gccatccgcc agntgtttgt tattcccgac 180
aacgagagat actccgagga ctttttcctt gcctcggaaa ctgctggtac ttcctggttc 240
tccgttcatc agggcactcc atctatggca tccgttntgg actccgcatt gggtgagtct 300
ttcaagtttt attgcattcc gtccggttgc ccctag 336

<210> 20537
<211> 2385
<212> DNA
<213> A.fumigatus

<400> 20537
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ggaccttctg ttacgatgtc ttctatttca agcaattcgc cgccgactag caaggccagc 120
catacggctg tacaacaaca ttctggcaag gagcaggagc aggacacgga ttccccctc 180
gataatgcca agtttctctc ctttgaagat tggaagaagc agaatctggc aaaggttggc 240
cagtcggcgg agaatgtggg gggcaaccgg cggagtggcg tgacagggaa cgagagccga 300
cgacggccta cggggatcag caacgctcta gactctcttg gagaagacgc ggagattgaa 360
cttgactttg gtggattcgg tgctgacgcg ccagaggccg cacggccgcc gtcatttggc 420
tcgggggtgc aggtggggaa gagcgcaggg tcggtggaca gcaaaactgg tggagatgcg 480
aatggcccgt ctcctgggat gatacggtca ggcagctcgc gtaggaaaga cgctgggact 540
acgtgcaagg agcgtttcaa ttatgcctcc tttgactgcg ctgctacagt gctcaagacc 600
aaccccgagt gtcagggctc gtcttctgtg ctgatcgaga ataaagacag ctacatgctt 660
aatgagtgtc gggctaaaaa taagttcctg attctcgagc tgtgcgacga tatcttggta 720
gacaccgtgg ttctcgcgaa ctacgagttc ttcagttcca tctttcatac cttccgggtc 780
agcgtctcgg atcgataccc ggccaaaccg gaccagtgga gagaactggg ggtttttgaa 840
gccaggaata cccgcgaagt tcaagctttc gcggtagaga acccgctgat ctgggctcga 900
tatctgaaga ttgagtttct gacgcactat ggaaacgagt tctactgccc cctgagtctc 960
atacgcgtcc atggaacgac tatgctggag gaatacaagc atgatggcga ggctagtcga 1020
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gcagagccat ccgaaaattc gtctgatctt ggtgcggaga atcgtgaaag catgcgcagg 1140
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ctggcaaatt acctagattc agagatatgc agtgtgcagg ctagaccgac gagaactgct 1260
ggccaagaaa gagctgacgc agctgttcaa catgactcgc cttcgacgga caccacgcca 1320
ccgggaccgg aggcctccgg gcctattgtg cccggcgcag gtaatggtac caaattcgca 1380
cctgatgctc gacgagctgc tgggcagtct ggagctgacg gtaacccttt acccgcttcg 1440
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gtcgctgtaa ttcaaagcat catggtcttc ttctgctttg gcttggtctt gttctctcgg 1980
ggtgcaatga gcagctatat ggagttccca agcgtgcaaa acatggtgtc tcgatcctac 2040
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ccgtcgttca catatcgaag tcgccacagg aggaatggta cggacgacac gcaggatagt 2160
gcgccgagcc ccactatctc atactcgccg ccaacgccaa actcagagac atcagtacca 2220
ttagagtcga tagagaaaca ggaatcacca ccatcccctg gcgatcttga attgccagac 2280
atcgaacttc cccagttccg gtcgcaaagc agccctcctg tcttgaagag tggcgaagac 2340
agcgacggcg aaatttcaga gacatccgga tccatggagg tgtga 2385

<210> 20538
<211> 198
<212> DNA
<213> A.fumigatus

<400> 20538
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accgaccggt caacaaacac ccacctcgct gcgaaccagg acaaagtgaa cgatctcaaa 120
accgcggcgg cgaatctgaa ctcgatggag taccatcggt cagttctgca gggtaaactg 180
cagaacgaag ataagtga 198

<210> 20539
<211> 810
<212> DNA
<213> A.fumigatus

<400> 20539
aaatggtggt cctccggcgc tggtgacccc cgttgcgcaa tctacctggt catgggcaag 60
tccgacccga ccaacccaga cccctaccgc caacagtctg tcatcctcgt gcccgccggt 120
cttcccggca tcaccgtgca ccggatgctg accgtatatg gctacgatga cgccccgcac 180
ggccacggcc acatctcctt caacaacgtg cgcgtgcccg tctcgaacat tgtcctagga 240
gagggccgcg gcttcgagat tatccagggc cggttggggc ccggacgcat ccaccacgcg 300
atgcgcacca tcggcgccgc cgaaaaggcc ctcgagtggc tcatcgcccg tgtcaacgac 360
gaccgcaaga agaccttcgg caagccgctg tccgcccacg gcgtcatcct cgagtggatc 420
gccaagtccc gcatcgagat cgacgccgcc cgcctcatcg tccttaacgc cgccatcaag 480
atcgaccagg gcgacgccaa gtccgctctc aaggagatcg cccaggccaa ggtcctcgtc 540
ccccagaccg ccctgaccgt catcgaccgc gctgtccagg cctacggcgc cgccggtgtc 600
tgccaggata cgcccctggc caatctgtgg gccatgatcc ggacgctgcg catcgccgac 660
ggacccgatg aggtccacct gcagcagctt ggtagacgcg agaacaagtc gcgccaggac 720
gccattgtcg ctaagctcaa gtatcagaag gaggaggcgg agcggttgct gttggctaat 780
ggattccaga agcccaagag tcatctatga 810

<210> 20540
<211> 1251
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (225),(333),(447)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20540
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aaatctggag gaattccctt ggccaataaa tcccggagaa agcgtttcgc ttgggggttt 120
ccgaagagcc cctgggggggg gtgtttccct tcaccacaga ggaggggtaa ttggcggatt 180
ttgcaaccga cgacccgcga ggtgtttcct gcaagcgcca accgngagct attcggaccc 240
ccttcagttc aaaccggcat ttgcacaccc aaggggattc tttcccgtgg gccaaagttt 300
ggcaaaccag ccccccacaa gccatccgcc agntgtttgt tattcccgac aacgagagat 360
actccgagga ctttttcctt gcctcggaaa ctgctggtac ttcctggttc tccgttcatc 420
agggcactcc atctatggca tccgttntgg actccgcatt gggtgagtct ttcaagtttt 480
attgcattcc gtccggttgc ccctaggtac ccgcctcctt cggatcctgt gccaatcaca 540
ggttctcttc cgaaccatgc agctaaaccg ataccttctc tgtccatggt gtttgggcgg 600
aacaagaacg accagatttc gaagagctgg agcgaccttt gggatgaaga tgaggaattc 660
gaacacgagg atgttgtctt tcaagagaga catgaggcaa attcacgtag ctggagccat 720
gagagcagca gcatggacgt tcctactccc tcagctggac ttcgtgagtc caagtcgtcc 780
tcgcttctca atgctcggtc gtctgcgcaa cagaccccat ccaccaagcc tgtcaatatt 840
gctactaagt cgactctcga cgatgttggt actcctgctg tgatttcagc tcctcgcttc 900
tcgcaaagct cacccaagaa gtcgaatctg gacaagtggg ctgcgctggg cgacagaaga 960
agaaactaca aacctgcaga aaaatctttc ggtcagccga agtcttcaat taacatgagt 1020
tggcgaaagg attggggcct tggctcgtcc ggattcgact acggatcttg ggccaagaaa 1080
gataacctcg cgcatcagga ccgtcgccgc cgcccgttcc tggagaaggg taggcgccgt 1140
gatggcgtgg aatctcctaa ggccgtcaaa cctgtcactc ccagcagtta cgatggaagc 1200
attgacgaag atcttgatct tgtgggcggc tggcacgatc ttcaccttta a 1251

<210> 20541
<211> 438
<212> DNA
<213> A.fumigatus

<400> 20541
ctggtggatt ttcaggcgac gaataactct gcccctgata ccggtaacat ggaggtgctg 60

gccaagtatg gcaatgaggc gcagaagaag cagtggcttg ctcctctgct cgacggcaag 120
atccgctcgg ctttcctcat gactgagcct gatgttgcgt cgagtgatgc cacaaacatt 180
gagctgaaca tccggcgcga aggcaatgag tacgttctca acggatcagt atgtagacgt 240
ttctctccct tctccctaga gcatccatac tcaccaattg ccgatagaaa tggtggtcct 300
ccggcgctgg tgacccccgt tgcgcaatct acctggtcat gggcaagtcc gacccgacca 360
acccagaccc ctaccgccaa cagtctgtca tcctcgtgcc cgccggtctt cccggcatca 420
ccgtgcaccg gatgctga 438

<210> 20542
<211> 636
<212> DNA
<213> A.fumigatus

<400> 20542
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gtcctgcacc ctgtgtctgg gccgtcgctt ccaatttcag aaggcaagaa gcgcagcaaa 180
aatctttcgg atctgagcag cgaattcgga tcggactcca ttaggcacaa tgagggcgag 240
gctgcgaact atggcatcta cttcgatgac acgaaatatg actacatgca gcacttgcga 300
gagctgggag caggtggcgg tgagtcatac ttcgtggagg ctacgagcaa gggaaagagc 360
aaggccaagg ggatgaagct ggaagatgcc ctgaagcaac aaatgactct ggatgatacg 420
aggagcgagt ttggcgccgg cagtgtctac ggatctgaat atacctcgga cctgcgttcg 480
accacttcat catactctcg caaaccaaca tatcaggatc agcaagacgt ccccgatgcg 540
attgcaggtt tcaagcctga tatggatccc cgtctccgcg aagtgctcga ggcgcttgaa 600
gacgaggaat atgtcgatcc ggatgatgag gaggat 636

<210> 20543
<211> 357
<212> DNA
<213> A.fumigatus

<400> 20543
tgtacgccga agacctgtcc caaccataat gatatcgttg ctaactgtgc gttgcagtca 60
tttacggtct ccgtagaccc ataccaccat gtgaaacgct tggatctcaa ggcattcgat 120
gagaccccaa tgccgccaat gtatctcatt tttagacctc ctcagatgct acccacaact 180
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gggtctcctg tgggcataga cactctgcgg agcgatcaca tcggcgaccc ggaccgatgg 300
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<210> 20544
<211> 687
<212> DNA
<213> A.fumigatus

<400> 20544
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tacgacatcc ccacctcgcc gtcatgggcg cccttccaaa aagtgaagat gtataatatc 120
cctgaccaga tcttcgatca gtataatcga gcacaggttt cgacaagtat gggactcttc 180
gccgagttga atcacgcctg ggttgctatt gacaacgcgc tctacatctg ggactatacg 240
caccccaatc cgcaactggt cgggtttgaa gaccagccca atagtatcaa tgccgtcaag 300
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actactgcgg aggtcattct gctgggaatg ggttgtgaaa caacgccggg gggtgcgcga 420
caagtcagct tgtatcagac cggcatgtca gtatctattc gtggtttgga catccatgtg 480
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tatgagctca catatcaaca ggaggaacgg tggttccagg ggcagatgct ccaaagtcaa 600
ccataccagt tcgcgcatcg cggctttcac gcccagtctg agtttcactc agaagactac 660

ggagacggtg gagcagatgg agattga 687

<210> 20545
<211> 264
<212> DNA
<213> A.fumigatus

<400> 20545
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ccgagtggtc ttcatcagtc tctgacgtct tgttttatct tgcaggattt ctacgaccca 120
atcaacgaca gactgcttga acctcgtctt actggcatct catattcatt accagctgat 180
ggatactatg aacaggcgta ctaccggggc cgtttccaac cgtcagttgc tccccacgct 240
ttcccgtctg aggctgcttt ctga 264

<210> 20546
<211> 273
<212> DNA
<213> A.fumigatus

<400> 20546
cccgatttgt attccccagc cacaacgcct tcgtgtccta aaggtatcat gctgtggcag 60
catggcaaat acgacgtgat gccagatgga tccatccagc tgaccccaat cgggctcgac 120
gtccgccagt tggtgtcaga tccatgctca aaggaggtgg ccgtgtacgc aagatacaac 180
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actgtgcgtt gcagtcattt acggtctccg tag 273

<210> 20547
<211> 2058
<212> DNA
<213> A.fumigatus

<400> 20547
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atgagctcac atatcaacag gaggaacggt ggttccaggg gcagatgctc caaagtcaac 120
cataccagtt cgcgcatcgc ggctttcacg cccagtctga gtttcactca gaagactacg 180
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<210> 20548
<211> 732
<212> DNA
<213> A.fumigatus

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cagcggctga aggatgacac gcgtatcgca cccgagcgcc gaacggaggt tctgaaagag 660
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agggcatact aa 732

<210> 20549
<211> 621
<212> DNA
<213> A.fumigatus

<400> 20549
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<210> 20550
<211> 417
<212> DNA
<213> A.fumigatus

<400> 20550

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gctgccaaag aggcagcaaa ccaattcgca gaagccgatc ggcccgatct gaaggagaag 180
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<210> 20551
<211> 1188
<212> DNA
<213> A.fumigatus

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caagctgtaa atcctcacga ggatgagatc cccattagct acgacatcaa catcccctat 180
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<210> 20552
<211> 627
<212> DNA
<213> A.fumigatus

<400> 20552
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caagacgcct tgactcacgg caaagaggta ttcgtgccgt atatccatag catagactca 180
ccgtcttcga cgcagaagaa gacctccgtc atggacatgt tgcttctgaa gtctatggaa 240
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gagaacaaga ggaactgttt tgggacaata ggggtctcca caaacatggg ggaggattct 360
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<210> 20553
<211> 258
<212> DNA

<213> A.fumigatus

<400> 20553
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ctcgaccgtt ggcggttggt acccatgagg ccgagatcgt gggccgcccg gaccactggt 180
attgtcggca ttatgcagca atccctgtcg ttccgcatcg tcgctggctt catcggggcc 240
aagatgagat cgcgatga 258

<210> 20554
<211> 1188
<212> DNA
<213> A.fumigatus

<400> 20554
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<210> 20555
<211> 342
<212> DNA
<213> A.fumigatus

<400> 20555
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<210> 20556
<211> 192
<212> DNA
<213> A.fumigatus

<400> 20556
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cacagggagt atgtcgctca ctgtcgctcc tttctcatcc agatcatgat cccgcttact 120
ccggcatccg tgacgttgtc taacttctac ggctcccccg agccacatcc attccgccat 180
gggcaacgat aa 192

<210> 20557
<211> 1461
<212> DNA
<213> A.fumigatus

<400> 20557
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aaccatacca gagacatcgc caacaatttt gacactgaac atggagctgg cgagaccact 180
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<210> 20558
<211> 2769
<212> DNA
<213> A.fumigatus

<400> 20558
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<210> 20559
<211> 351
<212> DNA
<213> A.fumigatus

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cgagtgcgac gcaaaaagta cctggaggtc attgacaagc tctccagcga caatctgcgg 180
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<210> 20560
<211> 876
<212> DNA
<213> A.fumigatus

<400> 20560
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<210> 20561
<211> 249
<212> DNA
<213> A.fumigatus

<400> 20561
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<210> 20562
<211> 231
<212> DNA
<213> A.fumigatus

<400> 20562
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<210> 20563
<211> 303
<212> DNA
<213> A.fumigatus

<400> 20563
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taa 303

<210> 20564
<211> 198
<212> DNA
<213> A.fumigatus

<400> 20564
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cgagaatatg atgttcccta ccatgttcgg gtggcaatcg acaaaggtgg gcgactaaat 180
ccccatattt gtcaataa 198

<210> 20565
<211> 3963
<212> DNA
<213> A.fumigatus

<400> 20565
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<211> 999
<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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<210> 20568
<211> 258
<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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<211> 612
<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

<400> 20572

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cggactcgta gctacatgga gcaaaaaatg ccgaaggaga gacgcgagca agttatctgg 240
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<210> 20573
<211> 525
<212> DNA
<213> A.fumigatus

<400> 20573
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<210> 20574
<211> 474
<212> DNA
<213> A.fumigatus

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<210> 20575
<211> 693
<212> DNA
<213> A.fumigatus

<400> 20575
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<210> 20576
<211> 531
<212> DNA
<213> A.fumigatus

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<210> 20577
<211> 417
<212> DNA
<213> A.fumigatus

<400> 20577
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<210> 20578
<211> 192
<212> DNA
<213> A.fumigatus

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<210> 20579
<211> 519
<212> DNA
<213> A.fumigatus

<400> 20579
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<210> 20580
<211> 183
<212> DNA
<213> A.fumigatus

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tccaccgagg acccccacct ttggagagtt ccacatttta acaagactgg caatgaagga 180
taa 183

<210> 20581
<211> 450
<212> DNA
<213> A.fumigatus

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gataaagttt ctgctgacgg ggtcgtcatt cgaggcgaga gttacgtgga cgaaagcatg 180
atcactggtg aagcgctacc catttataag aagaagggta gtaccgtcat tgctggaact 240
gtgaatggca ctagttcgat tgacttcaag gtcactcgaa ccggcaagga cactcagctt 300
agccagattg tgaaattggt tcaggacgcg caaactagcc gggcttctat ccagcgggtg 360
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<210> 20582
<211> 1218
<212> DNA
<213> A.fumigatus

<400> 20582
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acagccgtca tggttggtac tggcgttggt gcgcagcaag gtattctagt caagggtggt 180
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<210> 20583

<211> 276
<212> DNA
<213> A.fumigatus

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cggctcatga agtacctgta tgatggatgg ctttctacag ctattattac aatgaatgac 180
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<210> 20584
<211> 267
<212> DNA
<213> A.fumigatus

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<210> 20585
<211> 525
<212> DNA
<213> A.fumigatus

<400> 20585
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gagctgcttg agaacacgcc ggctgaactc gcccagatcg gcgaacagct tgggtatccc 480
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<210> 20586
<211> 213
<212> DNA
<213> A.fumigatus

<400> 20586
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gcgtatgccg agcaggctaa acacgagaac atggagttga aagggaccaa gatgcaggaa 180
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<210> 20587
<211> 474
<212> DNA
<213> A.fumigatus

<400> 20587

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tgggccaggc ggacgggcgc gagagtctgg tcgactgtca ccggacgaaa tccgagaacg 420
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<210> 20588
<211> 1050
<212> DNA
<213> A.fumigatus

<400> 20588
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<210> 20589
<211> 3762
<212> DNA
<213> A.fumigatus

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<210> 20590
<211> 1653
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (563)

<223> Identity of nucleotide sequences at the above locations are unknown.

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<210> 20591
<211> 588
<212> DNA
<213> A.fumigatus

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<210> 20592
<211> 1173
<212> DNA
<213> A.fumigatus

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<211> 288
<212> DNA
<213> A.fumigatus

<400> 20593
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cacgatttct atcgcgatag gagtcttccc gccgaggact tcgactgtcg gatctatcgc 180
ggtagcggtt ccgatgcaag ccgcgcttgg ggctgcgact gtctcttctt gagcttcttt 240
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<210> 20594
<211> 189
<212> DNA
<213> A.fumigatus

<400> 20594
gaccgtccaa tcccaggctt tggaaagcgc aaggatgttg actcgtccat aatagccaag 60
cagtgctaca actgccaggg actaggccac gttcaggccg attgtcctac tttgcgtctc 120
aacggtggag ctaacggccg ctgctacaac tgcaaccaac ccggccatct tgctgtacgt 180
cgctgttga 189

<210> 20595
<211> 285
<212> DNA
<213> A.fumigatus

<400> 20595
atcaaagcgt tggctgacat tttgaagggt cacatctccc gtgactgcac tgctcccaac 60
ggtggccccc tgagctctgc tggcaaggtc tgctacaagt gctctcaagc cggccacatc 120
tctcgtgatt gccctaacaa cgacgctgct aaccagcagc ctgccgagtc ggctactgct 180
cctgctgctg ctgccgctgc tcctgccgct accactgtca ccgctgaggt cagcgccgaa 240
gctgctcctg tcccggcccc tgctcccacc gccgctgtcg cttaa 285

<210> 20596

<211> 375
<212> DNA
<213> A.fumigatus

<400> 20596
gggaagccca ttcttactcc tccttttttgt attaggggtt tgcggaactc ggtcttgata 60
tcttttcttt cttttctttt ttttttttttt cccctctcac aattcttcca ttgcatatat 120
tatgcccccg gtttcaggtt tctcagcacc ggccttttttt ataactatta tgtatacgac 180
gaacaaaagt ttcacgatgt ccctaggttc ctgacgactt ggatcctaca catggctcaa 240
ggttatcatg attggcgtct attgttctcc ccgggtatct ttctcattta tcacatggtg 300
cggcaaggaa agaaggagac gtggcgaggc gaaaggttaa ttgagcgcag gagagacatt 360
ggtggaccgg agtga 375

<210> 20597
<211> 483
<212> DNA
<213> A.fumigatus

<400> 20597
cttctctcta gtggttttca gagcatgagt atcagtgaag tctttgggga attccgttgc 60
ggtaaaacac aactgtctca cacaatgtcc gtcgtcgccc agcttcccaa ggagatgggt 120
ggtgcggatg gcaaggttgc ctatatcgac actgaaggca ccttcagacc agagcgcatt 180
gctcagatcg cagagagatt tagcgtcgat cccgattctg ctcaagagaa tattgcttat 240
gctcgagctc tgaacagcga gcatcagctg gaactactca atactctgag tagagaattc 300
gctggaggcg agtacagatt gttaataatt gacagtatca tgaactgctt ccgagtggat 360
tactgcggac gaggagaact tgcggaccgt cagcaaaagc tgaaccagtt cttgatgaga 420
cttgcacata tggccgaagg tctgtcgctg tcaatatcct ttacggaact ttacaggaac 480
taa 483

<210> 20598
<211> 459
<212> DNA
<213> A.fumigatus

<400> 20598
gtcgggttat tgaggacttc tcttttaaac agcctcttaa caagggacac tacaggtatc 60
aaagctgtca gaaagctggc ggaaatgcca ccatatccaa acgcagtcaa agaggcggcc 120
ttcggtggcg tagctgagct tgagaagaag cggcagtatc gggcgactga caacgtccgt 180
gagcaggatg cctatggcat ggtttttgat aaaggtgaag ctagaaggcg gccggtttct 240
cgagagcgac gttacagtcg gagtcccaaa agaagctcaa gaagagacag tcgcagcccc 300
aagcgcggct tgcatcggaa ccgctaccgc gatagatccg acagtcgaag tcctcggcgg 360
gaagactcct atcgcgatag aaatcgtgaa aggtcctaca atgacgagcg acgtgatcgt 420
cgagatgatg acagataccg ggaaaggcgc cgtcgctag 459

<210> 20599
<211> 198
<212> DNA
<213> A.fumigatus

<400> 20599
tcggtgaaac tgggtctgca gatggtttgc cccaccctaa aggatacaga ggcccaaaga 60
gccattcagg gagctcgaat cgagacaacc agagctgaca tttatatcat tcgtagaact 120
gggtcggtca agccagctaa aaataattct accaagaaga tcaatggttt cgtcttcctg 180
gcggtcaacg gatggtga 198

<210> 20600

<211> 801
<212> DNA
<213> A.fumigatus

<400> 20600
gacttactca tcaatatggc cgtagctatc aaagagacag tctccaactt catggagaga 60
ttccatggtc atccagagaa ccttccccgt gaaccatctg ctgaagagtt ccagcagctt 120
aggaaaaagt acaccgatgc cggccagggt catgtcttcg catttgttga cgaattacaa 180
accggcgaga ggtcccagct cttccaccag ctatcaagct tcgaccctgt gcgaattaac 240
gaactcgcag acaaggctct gaaccctccc aaagcagacg atgggcccgc ttcgcttgaa 300
cccctgccgg atatcgccac ggcatcgatt ctcgactcag atcccaagga tctcgaacaa 360
tggtatgagg aggggctcaa acttgtggcg ggtaacaagg ttgcggtcgt cctgatggcg 420
ggtggacagg gcacccgtct gggaagctca gcaccgaagg gctgcttcga catcgggctt 480
cctagtcaca agtcgctttt ccagatccag gcggagagga tcgctaagct ccaactactt 540
gctcagagga tttcaggcaa ggaggctgtc atcccttggt acgtcatgac cagtggacct 600
actcgcaagc ccacagagga gttcttcgaa caacacaaat actttggatt gaacaagagc 660
gatgtcatca tctttgagca aggcgtcttg ccatgcatct ccaacgaggg caagatcttg 720
atggagagca agttcaaggt acgtttgcag tcgcatacta acactgtgct gcgcttgttg 780
ggttctgaca tggaaaaata g 801

<210> 20601
<211> 774
<212> DNA
<213> A.fumigatus

<400> 20601
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cgagaggata tgcgcaagcg gggaattgag catattcaca cttactgtgt cgacaactgc 120
ctggtcaagg tggcggatcc tgtgttcatt ggttttgccg catcgaaaca ggttgatatc 180
gctacaaaag tagtccggaa gcgcaatgct acggagtcgg ttggtctgat cctgcaaaag 240
aacggcaaac ccgatgtggt cgagtactct gagatcgaca aggagacggc ggaggcgaaa 300
gatcccaaac agcctgacgt gcttaagttc cgtgctgcta acattgtcaa ccattactat 360
tccttcaaat tcttcgaatc catcgaattg tgggcacaca aactgcctca ccatgttgcc 420
agaaagaaga ttccttgcat caaggagggc actggcgagt tcttcaagcc ggaaaagccc 480
aacggtatca agctggagca gtttgtcttc gatgtcttcc ccatgactcc cttggagaag 540
ttcgcttgca tcgaggttcg tcgtgaggat gagttctcac cattgaagaa cgcgagaggc 600
actggagagg atgatcccga caccagcaag cgggatatta tgagccaggg acaacgctgg 660
attgagaagg cgggcggtat tgtcattact gagggcgatg tcgttggtgt tgaagtatct 720
ccactgatca gctatgtaag ttcctccctt ccccttcatt tccggtcttt ttga 774

<210> 20602
<211> 258
<212> DNA
<213> A.fumigatus

<400> 20602
gtggctctcc agcgcaactg ccccgctcct gcctctggtg ccggtcgtgg tgtcggtgct 60
ccccgcgggg gatttaacgg tggattccgc ggtggatacg gtggttaccc tcgtgccgct 120
acttgctaca agtgcggtgg tcccaaccac ttcgctcgtg actgccaagc tcacgccatg 180
aagtgctatg cttgcggcaa gcttgtaagt gctctcacat gcagatgcct taaatcaaag 240
cgttggctga cattttga 258

<210> 20603
<211> 264
<212> DNA
<213> A.fumigatus

<400> 20603
acaaaccaag tccaaagtga cccaggcgcc agtgctctat ttgcgggagc tgatggccgt 60
aagcctgttg gtggccatgt gcttgcgcat gcatccacga ccagagtcct ccttcgtaag 120
ggtcgtggtg aagaacgtgt ggcgaagatt caggactctc caggtttgtc tcgttccgac 180
actctcagca ggactagcct gaccatctat agactgcccc gagcgagaag cgacctatgt 240
gattaccaac ggtggtatca atga 264

<210> 20604
<211> 210
<212> DNA
<213> A.fumigatus

<400> 20604
ccatccttat acagcacaaa cgtcggcatc gcccggatat tcatctcctg cgccacagag 60
cgcaccttat cgacatcgac ctggataaat cgcacattgg agtacttctc gctaagctct 120
cccaccttag gcgctaccgc ccggcaagga ccgcaccacg tggcgaagaa atcgacgacg 180
acagggccgg acgaggtaag cgctttgtag 210

<210> 20605
<211> 255
<212> DNA
<213> A.fumigatus

<400> 20605
ggacattcac atcataagta cgacacaatg tccaaaagag ctgccgacgc gtccgaggag 60
cactcggccg ctctcaaggc cggagagcgg ccggtggccg atgacattcc ggacgaggtg 120
ggggagttcg aagatgagtt tgaggacgaa ttcgagagtg aggacgagat tttggaagca 180
ggtgtcgatg gaagacctga cgcagagcgc gaagaagagg agaaaggttt gcttgccaat 240
ttatctgttg cttga 255

<210> 20606
<211> 1302
<212> DNA
<213> A.fumigatus

<400> 20606
attgttactg acaggaatgc gatgacaaca gacgctatgg aggttgacaa acagacattc 60
atccctggaa gaacaaaact ggctcctgga gaggtattgt ctccggatcc gtctacttat 120
gacatgttac acacgctcag cacaccatgg ccttgtctct catttgacat tgtgcgcgat 180
tcccttggcg acaaccgaaa gacatacccc gccacggtct acgctgtttc tggtacacaa 240
gcggcgggag gacgagcaaa ggagaacgaa ctgctggtga tcaagatgag cggtctgagc 300
aagatggaga aagagaacga gacagactcg gagagtgatt cggattcaga cgatgattct 360
gatgagccga ttctcgagtc gaagagtatt cctctcggtt caacaacgaa cagaatccgc 420
gcacaccaga ccccttccca gtccgccgac tactccaggc cgccacagac cattacagcg 480
accatgctcg aaaactccca ggtcgtcatc cacgatgtga ctcctcatct gaccagcttc 540
gacgtccctg gcacagtatt gtcgccgtcg gcctccaagc cgctttcaac cctgcgcatg 600
cacaaatccg agggttacgc tctggactgg tccccactcc agccgcttgg aaagctgttg 660
accggtgaca atgacggatt aatctacgtt accacccgca cagaaggagg aggctgggtt 720
acagacaccc ggccattcac cggccacaca tcctccgtcg aagaactaca atggtcacca 780
aatgagcgaa atgtgttcgc ttccgccagc agcgacggaa gcgtgaaagt ctgggacgtc 840
cggtcgaagt cacgcaagcc cgccgtcgac gtcaaggtct ccaacacaga cgtcaatgtc 900
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gctgtctggg atttgagaca ctggaagccg aatgcgtccg ctccctcatc tcagatcaaa 1020
gcatccccag tcgcggcttt cgacttccat cgtgagcccg tcaccagtat cgaatggcac 1080
cccacagacg acagtgttgt tgctgtcggt tctgccgata ataccgtcac tctctgggat 1140

ctggctgtgg agcttgatga agaagagaat cgcgaagctg gcctggccga agtgcctccc 1200
cagctgttgt tcgttcatta catggagtct gtgaaggaga ttcattggca ggcccagatg 1260
cctggtacca tcatggcaac aggcagctcc ggattcgggt aa 1302

<210> 20607
<211> 462
<212> DNA
<213> A.fumigatus

<400> 20607
aatgtgtgtc catacttgat cactgctaaa caaccaggca acaccgatgt aaacattgca 60
tcgcaagcag atgcagactc catcgcctca tgtcacaccg tccgtggtag tgtgaccatg 120
gcgagctctg tgagcggagc agtcaacctc cacggagtcg agacaatcca gggccctctc 180
acagctcgcg gagcctcgga cctcagtgcc ttgatagcgt cggacctgaa gaccattact 240
ggaacattga ccgtggcgaa caatgatgcg ctcaatcaaa tctcaatgtc caacctacag 300
accgttggag gagacttcaa agtggagaac aatcgaaatc taaaagattt gtcgttgagt 360
gatctggacg agatcagagg gggggtgacc gtctctggtg aattgaatcg gttcgttttg 420
gtatattctt cttgtatttc gcacagacct gacgaggcgt ag 462

<210> 20608
<211> 699
<212> DNA
<213> A.fumigatus

<400> 20608
actgacatct gcgactcacg ttctcatttt tcgaccgagg tacctcgccg ggcactagaa 60
gtgcctatgg tcctcaaggc aattctagct ctcgcagcca gactcgacgc catcctatca 120
ggcgctagcg actgggaagc ggccgaatat cacggccaat gcttggaact cttaatcgct 180
gcactggcgc agccggagga tacctacgat gacaacctcc ttatcacagt tgtgattcta 240
cgcatctacg aggaactgga aagcagcaac gacgaaaagt accatttgtt cggctcaaac 300
cgtctcctca acaccatgtc cagatcggcg tcatccgggg gcctagccga agccgtgagc 360
tggcagttcc tgcggcaggc gatatatgca tctgtcgtcc agtatcaacc catgcaattg 420
gacctggaga actatgagcg ctcggctgtc tttcaccggc gagacgatgc tgcgtatgcc 480
aatgtcatca tctacctctg tgctcggatt cttcagggcg gaggagcgta cacccgtggc 540
atggacgagg agacatggcg tcaactctcc gatagcgttg agcaatggca tcgagaaaag 600
ccagtcagtt ggcaaccgtt gaagtacaag ccggcgaaca ttgcggagaa tcgaccattt 660
cctgagatct ggatgatgtc tccgccagca ggtatgtaa 699

<210> 20609
<211> 690
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (347)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20609
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aactgctcaa gtttggatag taaactgtct ggagaggaca gagttttcca gagctcgtac 180
tcatgcacga ccggcaaaag caacaagtca tccggcagcg atggcctcag cacgggtgcg 240
aaagccggaa tcgccgtggc agtggtgatc gtcgtcctgc tgattctctt cttcctttgg 300
ctgctcatcc gccgacgaaa gccgccaaca gaatcgacgg acagaanaga cagtgacgga 360
cgctatcgca tctcaaacac cagctcccac gggccacgaa tccaacacag aaaagctgac 420

ttcaacgctc acgccgcccc aagaggacgt cgagaggggt atcccccgaa agccagtgtc 480
ccccccacca gcggcagaca ggaggtcctc tgttccagca tccttgctcc cgggatcggg 540
gaggttgtct gttcctgtat cattacttcc tgggtccaat ccatcagtgt cttcggcttc 600
tgcgtcccac cgaagagtca cgtccgaccc ctcgctattt ttacatcata tcgcaccttc 660
agcgccacag cctccaccgt cggagattga 690

<210> 20610
<211> 189
<212> DNA
<213> A.fumigatus

<400> 20610
ttactcacgc aatggtttca aattcggatc ccagaatgcg ctacagccac actttcgcgt 60
cttgggctag ctgtcgtcaa ggttcccatc gaacccccac cggaacacct ccgattctca 120
gagctgtccc tggatatttc tatcctcttc taccgctctg atcccattct tttgtctcta 180
ctcccctaa 189

<210> 20611
<211> 234
<212> DNA
<213> A.fumigatus

<400> 20611
gtttgcaccc gtttccaatt aggcagacac actgactggc tagaactcga gcaaaaccac 60
tgttccatca cgcagcaact cgccgacatc actaaaacat actcatccaa cagcactatc 120
gccctggtgc tagccgcgac agaatcggaa ggtctgacct ggctgcggga ttactgccgt 180
gaccagtacg tcatattcgt ccctccagtt tcttcaaacc aagacatatg ctga 234

<210> 20612
<211> 363
<212> DNA
<213> A.fumigatus

<400> 20612
gcacttctag tgcccggcga ggtacctcgg tcgaaaaatg agaacgtgag tcgcagatgt 60
cagtctattg atgtcagaac gtactaccac tataccatct atgaggggag cctttatacc 120
caaggagcta tcttggagat gaatgaacgt aacaagtatg cttcgcgaga ggacagcttt 180
ggcgaattga ttgcccgggg gcttatcgga ctccaggagg atgtctgctc tgtccagact 240
gttgacgcca aaggagatac tatgctattt agtgccgttg gcgagatggc agtagatgag 300
ggaagtatca gttgggtctc gtcaggtatt gatggggtcg gtgctgggag gtccagcggg 360
tga 363

<210> 20613
<211> 1041
<212> DNA
<213> A.fumigatus

<400> 20613
gaaagcctgc ccgctaccgg cagttctgca actaggtcag tttcagcttc cctcgtgctc 60
cccgctcggt catgcgatcg gagaattaac ggcagatgta tcatttcagg tcgtggagtc 120
attcgtaaca agcttataat ttgcgacatg gatgtaccgc agcctgtgcc tggtgtcccg 180
gatgtcgcag aaaccggtcg ccaacagaat cttgagatct ctggtcccga actggcggct 240
acgggggagt caatgggacc tccggagttt cacaatggat acagcagcga ctctcgcgct 300
cactacacct cacataatgg cggtttcgat tccccatcca cacatgtatc tcggaaccag 360
gagaatgatc agtctcgagt tactgaatct ccaacattaa cccaacaacc acgcccgccg 420
tcatcatcga ggccgggttc cggattgtct agcggccctg aacagcgaca aggaatatct 480

caaacatctc aagatgtcag tcagagacca ccatctcaac cgacgaaaaa tagtgtggtg 540
atcaaggttg gaatggttgg ggatgctcaa attggcaaga caagtttgat ggtcaagtat 600
gtggagggca gctgggacga agactatatc cagactttgg gtatgttgtt cttttggact 660
tgtgccttac ttattctgac gttatcaaca ggggtgaatt tcatggaaaa aacaatctcc 720
atcaggaaca cggagatcac tttctcgatc tgggatctgg gcggtcaacg cgaattcgtc 780
aatatgcttc cgcttgtgtg caatgacgcc gttgcgattc tgtttatgtt tgacctcacc 840
cgcaagagca cattgaattc catcaaggaa tggtaccggc agggccgtgg attcaacaag 900
acagctattc ctttcctggt cggcaccaag tatgaccatt tcgtcaattt tcctcgagaa 960
gaccaagaag agatttccat tcaggtaggc aagttgaccc gagaagatga caagcaatgt 1020
gctaatgatt tctcaggtta a 1041

<210> 20614
<211> 771
<212> DNA
<213> A.fumigatus

<400> 20614
cctggctgcg ggattactgc cgtgaccagt acgtcatatt cgtccctcca gtttcttcaa 60
accaagacat atgctgatat tgggcaaaac agcgacgcca tccccttcat ctacaccacc 120
gaccgcaaac ccgttccgca cctcctcgtc ccccacacca cccgcggccg cgaagcagcc 180
gcctacctct cctacgtcgt cgacttctac gaccaacttc ccccttacac catcttcatc 240
cactccaatc aagaccaatg gcacaacgac ctctttggcc ccaaaaccaa cgtcgcgctg 300
cgcaatctcc gctttgaggc catcgctgca cagggctacg tcaacctccg ctgcgaacac 360
gaaccaggct gcccaacaaa tgtgcacccc tggtccccaa cgcagattga tatcgataag 420
aaggatatcc gcgcgtactt tccccaggtg taccagacgc tgtttggggt tggcaaggag 480
cgtgtccccg agcatattgg gaatatctgt tgcgcgcagt ttgccgtcag cagggaacgg 540
atcctgcagc gcccgaagcg ggactatgaa cggatgctgg catgggcggc ggagacggac 600
ctgacggata gctttggggt cgggtgggtg tttgagaaag tctggcatgt ggtgtttggc 660
atggaggata tctattgtcc gcgctttgag cagtgtcggt gtgatgtgta tggatggtgt 720
gggccgttgg ccaatgggga gacactgcag gcagtgaggg tgaagtccta g 771

<210> 20615
<211> 273
<212> DNA
<213> A.fumigatus

<400> 20615
tgtaaaaata gcgaggggtc ggacgtgact cttcggtggg acgcagaagc cgaagacact 60
gatggattgg acccaggaag taatgataca ggaacagaca acctccccga tcccgggagc 120
aaggatgctg gaacagagga cctcctgtct gccgctggtg gggggacac tggctttcgg 180
gggatacccc tctcgacgtc ctcttggggc ggcgtgagcg ttgaagtcag cttttctgtg 240
ttggattcgt ggcccgtggg agctggtgtt tga 273

<210> 20616
<211> 309
<212> DNA
<213> A.fumigatus

<400> 20616
ctaacattat tcagtcccgt catctacaaa gcgcttacct cgtccggccc tgtcgtcgtc 60
gatttcttcg ccacgtggtg cggtccttgc cgggcggtag cgcctaaggt gggagagctt 120
agcgagaagt actccaatgt gcgatttatc caggtcgatg tcgataaggt gcgctctgtg 180
gcgcaggaga tgaatatccg ggcgatgccg acgtttgtgc tgtataagga tggtcagcct 240
ctggagaaga gggttgttgg tgggaatgtg agggagttgg aggagatgat taagagtatt 300
tctgcttaa 309

<210> 20617
<211> 1701
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1673)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20617
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gcttactatt atttgttgtc ttattctctc tctttggtat atgcattaat tgcatcttgt 180
aaaaccgagg acatggccga agaaacgcca gtcctgacga ttcaggagag aatcaaagca 240
ctcaaactcg cgggatcaca gccgactccg ttcttacgag cccaaacaat taacaaccct 300
cccgccaacg gtcacggttc tgtccttgag cactcggtga tcggcaatga gccaggagca 360
ccccctacac aggccccacg atcaccatcg acagggccgt cgatcgcctt gaaatccaag 420
gtgccgccgc cgctgccaac acggaaagct tccaatcagc aacttgcgcc ttcgctgcca 480
cctcgcaggc catcggtgaa ttctattgaa tcagctgcat ctgatacgtc ccggtcaacc 540
gtatcgacaa gtgtggggag acctgtgcca gggcgatcat cttcctcagg tgaatctggg 600
aacgttcata cggtgcgtgc acctcgatat gatgaggcag agttgcctgt cctccctccg 660
agaagagagg aagagaaaag tcccaaggcg cctccacggc cgaaaccgac catgctaaag 720
agcagagatg gtctaccgcc ttcattacca tcgataagag agccgccatc tcttccctct 780
gctcgacctg tattgcccat tcggcgagcg tcaagcaacg tcaatttgaa aaatggggat 840
gcagcccctc tgccgccccc acggatcccg tcgcgagaca gtcagggcca gtcgccaagt 900
gcagaaggcg aaagcaagcc ggcgagaaag ctgccccctc ctcccccttc ggggtctgct 960
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aatggtgcac cgcctccgat ccctatcgcg tcaaagccag agaaaccgga cctttccaaa 1080
ttactagcaa ccaaaccgcg tgtcgagcga aatactacaa atacagagcc gacagcgatg 1140
tgcttgaaat gccgagactt ctccggcccc gactcgcacg ccgccaggtt tccgcgggag 1200
agtctcccaa cacatgatct tgcctggctg gctcgcgagc ttacagcacc attcccttca 1260
ccgacagaca aggcgagagc cttgttcacc tggtgccatc ataatatatg ctatgatgtc 1320
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gtcgccgttt gtgagggcta cgccgggctc tttgccgccc ttgcaaccca tgctggattg 1440
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cagagtattc ctccttacag cgctggccat gcatggaatg cagtccggat cgacaatggg 1560
caatggaagt tgatcgatgt gtgctgggga gcgggagtag ttcaaggacc aggacaacca 1620
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cactattctg aaggcaaata a 1701

<210> 20618
<211> 579
<212> DNA
<213> A.fumigatus

<400> 20618
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tcgtccccca caccacccgc ggccgcgaag cagccgccta cctctcctac gtcgtcgact 180
tctacgacca acttcccccc tacaccatct tcatccactc caatcaagac caatggcaca 240
acgacctctt tggccccaaa accaacgtcg cgctgcgcaa tctccgcttt gaggccatcg 300
ctgcacaggg ctacgtcaac ctccgctgcg aacacgaacc aggctgccca acaaatgtgc 360
acccctggtc cccaacgcag attgatatcg ataagaagga tatccgcgcg tactttcccc 420
aggtgtacca gacgctgttt ggggttggca aggagcgtgt ccccgagcat attgggaata 480
tctgttgcgc gcagtttgcc gtcagcaggg aacggatcct gcagcgcccg aagcgggact 540

atgaacggat gctggcatgg gcggcggaga cggacctga 579

<210> 20619
<211> 210
<212> DNA
<213> A.fumigatus

<400> 20619
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atcggcgtct ttccctctaa ttcacggacc catcttttgc ttcaccactc ctctgtcagc 120
atcatggatt acacccgcat tatcctcgct ctcgctgtct acatcggtaa acactcccgc 180
ccctccttcc ctcgcaaccc ttctcattaa 210

<210> 20620
<211> 195
<212> DNA
<213> A.fumigatus

<400> 20620
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ccctcctacc tgcagctcag tttccacagg gcacagcttg tcaagatcat ccagaatcac 120
aaccgactgg ccgccaagac gagcacacca agaagcagac atgaacaggc gattgagggt 180
ctccttgata tttga 195

<210> 20621
<211> 357
<212> DNA
<213> A.fumigatus

<400> 20621
attggcttgc tccattgcct cacgatggct ctcgttcagt acccaccgcc agtcgactat 60
gcggcgcaac tcaacgcctt caaagacttt ttgcagcatt tcaaaacatt cgaatcagct 120
tccgaagctg ctgcaaccga ggcgattgaa gatctccaca tcgacggaga tgctaccagc 180
gatgaatatg acttcatgga cgatgtggaa aatgagaacg ggcaacaagg gacaagagca 240
cgtcgcgggc gtcgagaacc aaagctcaag tacatgcaga tcctgcagga catagcagat 300
cgggaacggt caaacgttct gattgaattg gatgacttgg ctacagtaag actctag 357

<210> 20622
<211> 624
<212> DNA
<213> A.fumigatus

<400> 20622
tttggcatgt cgcagagtag agacttgtcc agtcgtccgg gccggagcaa cgcagggtca 60
attaggtcag gccgagacgt ggcagcaaga acatacacgc ctgagaggcc ttccgcacca 120
tccatctgtg tgagaagctg gttgacgaca cgatccgtga cgccggtgga gtcgtggcca 180
cgcttgggag caatactatc gaattcgtca aagaagagaa tgcacggtcg agcggcctgg 240
gctcgttcaa acagatcacg cacactcttt tcgctcgcac caatatactt gttcaggatt 300
tcgggaccct tgacgctaat gaagttcagg ccacattcgc ctgctatcgc acttgccaga 360
agggtcttcc cgcatcccgg aaagccgtac aggagcaagc cggaacgcaa acgcagagga 420
cattgcgcga agataggcgc atacttggtt gggtactgca aggtttccag cagcatcttc 480
cgggtctcgt gcagaccacc aatagctgaa aatgttgtgg tagaggatgt gagcgtgaca 540
ttgcgcagag atgccggcgt gaatcctctg atggcgttct caaagtcctc agcaccaaga 600
gtgactgctt tggatgcggc ctga 624

<210> 20623

<211> 2139
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1351)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20623
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gctccctcga tgtttcctcc cgagttgact cgtcgataca cactcaattt caagcctctt 180
actccgtctg ggtcgagcag cgaccggtac tccaaggctc tcgcagtccg taatgtgcga 240
gcagagcacc tgggtagtct gatcacggtt cgcggtatta caactcgtgt ctcggacgtc 300
aaaccatcag tccagatcaa cgcctatact tgcgatcggt gtggatgcga agtgtttcag 360
ccagttacca caaaacaatt tctgcctatg actgagtgct tgtctgaaga gtgcaagcag 420
aacaactcga agggacaatt gtttctttcc actcgtgcct cgaaatttgt tcccttccag 480
gaggtcaaga tccaagaaat ggcagatcag gttcctgttg gtcacattcc acgaacacta 540
accattcact gccatgggag tctgacacga caactcaacc ctggagatgt tgtcgacgtc 600
gcgggcatct tccttcccac accttacacc gggttcaggg ccatccgtgc cggcctcttg 660
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acgatggaca gccagacgct ccgaaagatt gaacagtacc aaaagtctgg aaatatgtac 780
gagtacctgt ctcgttccat cgctcccgag atttacggcc atcttgacgt gaagaaagcc 840
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cggcctgtcg tgccttcgtc agtttccgat tacatggtcg gagcttacgt gcgaatgagg 1560
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ttactaatgt ctttgttcct ttgcaggttt ggcaagtcgt taacaacgga actcgcctca 2040
ttttcttgga tctcggaggc gatgaggcaa tggacatata ataggccagc aaacggttgc 2100
agtttagact ggcaaaaagt aatcactgta gtctgctga 2139

<210> 20624
<211> 327
<212> DNA
<213> A.fumigatus

<400> 20624
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acctgcaacc cgctctccgg cgagaaccac tgcgacatta ccaaccttct gcatcaacac 180

aggcactcgc ttccattgcg cctgccgtgc cggttacaag gcctcgaagg acaaccacga 240
cgtcagcaaa cagttccgtc tgaatgtccc caactaccag ttcctggtct tcacccccga 300
aagcaccgag tgcaacaccc tctgtga 327

<210> 20625
<211> 207
<212> DNA
<213> A.fumigatus

<400> 20625
gtaacagcgc cggaagatgg cgcccagaaa accctcgagc atagccgatg tcgcactcgt 60
tcctttgaag aactgtctat tgaaattgcc tccgtcactt gtctcactgc tggttcatgc 120
caacactgta cgtccccttc ccctaaaacc cctggttttg actttacacc atctaatcta 180
gttgctaggc tgcccaaaat gtcatag 207

<210> 20626
<211> 3243
<212> DNA
<213> A.fumigatus

<400> 20626
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tcggagcaca tgcatccccct tgcgctgcac ctttccccga catccaccgc taacatcatc 180
actacctcgc ttactcctgc accatcaaat acatcgccat ttgtgaaaat agcacccgat 240
gcagaagtta ttgtcgcgcc aaaggtacgc cctaaatctg cctcaagagg tccaaggggc 300
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gtggatcgcc gcttggttga gccgtacttc gatgaagaat tcgaggatga taccaatgag 480
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tcctctacca caacattttc agctattggt ggtctgcacg agacccggaa gatgctgctg 2160
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tataatgccc acctagaagc tgtccacgat gcacttggcg accattcggg tacaaacgac 2820
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ctcagcgaaa atgaacgcag gcggttgcaa gcgatctatc gtgaatttgt ggagggacgt 3180
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<210> 20627
<211> 354
<212> DNA
<213> A.fumigatus

<400> 20627
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ccaaccttct gcatcaacac aggcactcgc ttccattgcg cctgccgtgc cggttacaag 180
gcctcgaagg acaaccacga cgtcagcaaa cagttccgtc tgaatgtccc caactaccag 240
ttcctggtct tcaccccga aagcaccgag tgcaacaccc tctgtgacaa cccctacggc 300
gcaagcccgg acttgtgcgc tgaggttcct atccaagaca agtgcgctat ttga 354

<210> 20628
<211> 249
<212> DNA
<213> A.fumigatus

<400> 20628
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catgctaagt tcaccctctt caccgtcccc aacagcggca gcaccgctct cgcgcatacc 180
gcgaatgaga ttgtagatct tgctactggg gctctggtct atgccggaat gaccgtcatt 240
ggccagtga 249

<210> 20629
<211> 189
<212> DNA
<213> A.fumigatus

<400> 20629
caaagaactc aagggttgac ctgccttgtt tcacagaaca tctaccaagg gttacaactg 60
tatgttctgg gcaaattcca actcgaaaaa ttgtgttgcc atgtgcaaaa ttaccgtatc 120
acgtgcaact acgttgtggc cccggtcgta ctgttgctcg gcaaacaccc cattgtcgaa 180
caataccat 189

<210> 20630
<211> 624
<212> DNA
<213> A.fumigatus

<400> 20630
ggaagggttc ccaacggggt aaaggtacag agggttgttt tttgcccccc atgggcaagg 60
aattcacccg attggttaag gccgtggcat ttaggttcac agtcaggcaa agctgcagcc 120
cagactgatg aaagcgacaa gaccagcaaa gaatcgcagg cttgcgagca actttcacag 180
gccttgggcg gtgtgacaat tatccagaaa ggaccgcatg atgtaatttc aaacggtgtg 240
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ctcacaggat ctcttgggac actgctggct tggagagctg cttaccataa caaattatgg 360
gactccggcg agcaagagaa cccgaaagaa gcgcagtcta agcaggatgt gttggctgag 420
cttgagtcag agaacaagag aatgtcccca gcgacaaccc tactactggt tgcatgggca 480
ggcagtggca tcactcgtga atgttctcgg cgggcgttca atgccaaggg caggagcctg 540
caggctagcg atcttactga cgaagttcat gaaagcttct tggaattgat tggggaaccg 600
gaagcttcca ggacccatct gtag 624

<210> 20631
<211> 660
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (122)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20631
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angatgaaga acatgacgtc gaaacgcgag agcaatgcgg cggggaaggt gatgttctcc 180
actggaaaaa attcgcgggt tgttccgtcc ataaaaaaag aatggctgca gccagaaatg 240
gaagttacgg cgttcagggt tgttgtgatg ccagccttgg aaatggagat ggtctgttgc 300
tccatcactt catggatagc agtccgatcg gcatcgtcca tcttgtcgaa ctcatcgata 360
cagcaaatgc cattgtccgc caaaaccagg gctcctccct ccagcaccat ctcatccgtt 420
acagggtctc tcataacagc agcggtaaga ccaactccac tgctacctcg tccagtagtg 480
tacacgcctc gtggagcaac cttggcaata tatttcagca attgcgattt ggcgacacca 540
ggatcaccca tcaggcagat attgatgtca ccacggatat gcatgccgtc gcccatttcc 600
tttgtcacac ctccaataag tagaagaagc aaggctttct tcacgtcaag atggccgtaa 660

<210> 20632
<211> 645
<212> DNA
<213> A.fumigatus

<400> 20632
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acggcgcttg cattcggcaa tggcctgaag gccgttctgg actggaagaa gggggatgtc 120
cttgccctct tcacacccaa ctgcattgat acgccggctg tgatgtgggg aacgcattgg 180
gctgggggtg tggtatctcc cgcaaaccct gcatacaccg tggaggagct ggcgtttcag 240
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gcagctgcaa agcaggcagg catcacggaa gaccgaatca tcctcatcgg cgatgagcgc 360
gactcccagg ccaaatttaa gcatttcagt tcgatcagga acatttcagg ggcgaccaga 420
taccgcaaga ccaagatcaa tcctgcaacg gatctggcat tcctggtcta ttcgtcgggg 480

actaccggtg tgcctaaggg agtcatgctg agtcaccgaa acatcgtcgc caattccctc 540
cagcttgcgg caggagaggc taagcagctg agttggaacg gtggtgcaga tggaaaagga 600
gatcgaattt tggccttcct tccctttttac cacatctacg gttag 645

<210> 20633
<211> 237
<212> DNA
<213> A.fumigatus

<400> 20633
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tttgatctcg gcttcgtcga tgcaattctc acctgcctct ttttcaatct cttgggtgtc 120
ttgaccgttt gcttcttctc atgcttcggt gctgccttcg ggttacggca gatggtgctt 180
tcgaggttct ggttcggctg ggggcccacc aagttcagta tgtatttttt tgcataa 237

<210> 20634
<211> 1269
<212> DNA
<213> A.fumigatus

<400> 20634
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tattgtcttt tcaaagtagc aggtgctgac atcctcgttc cttcagttgc tattctgaat 180
gtgctcgctt gtgtgggctg gtccgctgcc aacgccatcg tcggtgctca gctcatcaat 240
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gtcatcacat tcgctgggta caaggttgtg catgcctatg aatactggag ttggatccct 360
accttcatcg tgtttatgat tgtccttggt accttcgccc actcaggaga cttcaggaac 420
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tacggtttcg ctactggatg gactagctac gccgccgatt atactgtgta ccagcccgct 540
aatcggagcc gtcgcaagat atttctctcc gcctggattg gcctcatcat tccgcttttg 600
ttctgtcaga tgctgggaat cgcggtcatg accgctacag gaatcgacga tggcaataac 660
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cctctcggcg gattcggtaa attctgcctc gtcatcctag cactctccat tatcgccaac 780
aactgtccga acatctattc ggtggcctta actcttcagg ttctgagccg ctactcccag 840
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ggacccattg ctctccatgc cggtcaagct ccattcggtg gcgacgttgg ttttgagctg 1200
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ggtcggtaa 1269

<210> 20635
<211> 720
<212> DNA
<213> A.fumigatus

<400> 20635
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gttgtttcat accgcttcaa cgatgagggc aagaaggtca aggtcacccg ccggatcaag 180
acgaccgtgg tgagggagca cgtcaacccg caagtcgcgg agcggcggtc gtgggccaag 240
ttcgggctcg agaagggcca cgcggccggt ccctcgttcg acaccacctc cgtcggtgag 300
aacatcgtct tcagacccag tgtgaactgg cgggtgcagg ccgcggaggc tgagaaggct 360

ggccccgaaa agggcagcat caaggaccag ctcaaggaca agaaggtcaa gtgtcgtatt 420
tgcagcggag agcatttcac tgctcgttgt ccgttcaaag atactatggc acctgtcgac 480
gagaccgctg ccgctggtgc tgagcccggc gctgatgatg tccccgctgc tggtggcctt 540
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gagagaatgg ctggcaagta cgagaaggat gatctggcga ctctcagagt tacaaacgtg 660
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<210> 20636
<211> 576
<212> DNA
<213> A.fumigatus

<400> 20636
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agctttgcag atcggaccga tgctgcacgt gcttgcgaaa agatggatgg ctgtacgttc 180
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cgtccaaaaa tgagaaaaag ttgtcatagt ctctaa 576

<210> 20637
<211> 246
<212> DNA
<213> A.fumigatus

<400> 20637
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agcgacagcg attataccgg ggcaccacga caatttgctg gccctaccgg cttttcgatg 120
gacgatgagg acaaccgccg acgaaacggt gctattggcc cttccctagc gcagtcagtc 180
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gcgtaa 246

<210> 20638
<211> 1215
<212> DNA
<213> A.fumigatus

<400> 20638
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tgcctgcact gtaggtctag ccttttgcct gttaataccc catccgtcga agcgatattg 180
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cagtacgccc ttcaacgggg aagtacttgt ccttccctat cgagtctgag cgaaatgtcg 360
agaatttctt cgtatacaag tactccacgg ggcctcgatc actcgtttga tgccccccac 420
aatctgttct tcggacagac tgggaatatt tacatggact cccaacagcg cttaccccag 480
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gataaatgga cctgctatcg gcggaactat ttctcagtct cctgctcgtt ttccttacat 660
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gttcaacaca ctccgaaacg tgacaaacaa tccgaaagga agccggggaa agtcgttttg 840

caaccttgcc agccgccgcc gccattgctt ctcaatcacg gcgcagcgaa tagtggtggt 900
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tcatacaccg gagctccgca gcagtcacag ccgccgacgc agcacacatt cgagcgtatt 1020
cagttccaga aggcgacagc gaacaacggc aagcgccggg cgcagcagca gtactacaac 1080
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tacaaggacg ggtct 1215

<210> 20639
<211> 243
<212> DNA
<213> A.fumigatus

<400> 20639
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agcaccatct gccgtaaccc gaaggcagca ccgaagcatg agaagaagca aacggtcaag 120
acacccaaga gattgaaaaa gaggcaggtg agaattgcat cgacgaagcc gagatcaaag 180
agcgactttc cgaggacgcc aatggcgaag gagctcacca ccatgttggc cgccagccac 240
taa 243

<210> 20640
<211> 231
<212> DNA
<213> A.fumigatus

<400> 20640
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actgtcgaaa ggcctcttct ctacctgggg ggctttctca aggtcgtgct caacgccacc 120
gaacattatg atggacgtgg tgcgattgca ccgtgtctta acctggttga aaaaactgag 180
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<210> 20641
<211> 855
<212> DNA
<213> A.fumigatus

<400> 20641
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cggactgtga cccgtgacaa ccgtctcaac aaaccttcag agggtgaagg ggaggacgac 360
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gaagtgcact tggtgacggg aagtcaggac cgcagcatta gagtaagtct tctttctgta 840
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<210> 20642
<211> 282
<212> DNA

<213> A.fumigatus

<400> 20642
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aaagtatatg ataaggccga tggacaccac tgggactgtg gagccggggt tggtgcagat 180
gagtctggcc ccgcgcctgc aacagttgag cgagtacggc tcaaggacgg atacttgctc 240
gaaggccgca aggacggtac cgtggcggcc tggacttgtt ga 282

<210> 20643
<211> 186
<212> DNA
<213> A.fumigatus

<400> 20643
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gtttacttga cttacaaaga gctttgggtt tcggagggcg ctttgaaggc tgagattccc 120
ccttactaca atagaaatgc ttcaagttct ttcttcagct tctctaaact tctctgtatc 180
atatag 186

<210> 20644
<211> 318
<212> DNA
<213> A.fumigatus

<400> 20644
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gaaatggata tagtgaatgt agatttcgaa tggtttgatc cacagcccgc agtggatttc 120
catggactca agaatcttct ccgacaactg ttcgatgccg attctcagat ctttgacctg 180
tcggcgttaa cagatctgat actagcacag cccttgctcg gatctacagt gaaggtggat 240
ggcaatgaat ccgatccata tgccttcttg accgtattga acctgcaaga gcacaaggta 300
cttccacttg ttctttga 318

<210> 20645
<211> 645
<212> DNA
<213> A.fumigatus

<400> 20645
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gtcacatcaa ctgcagggca tttgatggga ccgatcacag attcaagcaa tggaagccat 120
taccacactg ccatggccga catacatcgc gagttacgac ggccgacaac tcagcgcaaa 180
gttttttccc tgacacagac ctctcccacc gacctcgttc gctccaagct ctcaacatct 240
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gactctagct cctactctct gttcgagggt ttcaaagcca cccaagacga ccatgaattc 360
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gctggggcgc ttccatccgc gccgacggac ttgaagaagg aacgggacct gttaagccgg 480
cggctggacc ttatgggtgt gcgcaagaat atgtgcagct cggaaattca cgagattgac 540
aacaaaatcg ccaatctgca caacataagg aaaatcgtgc tggatcggtt ggcggcgtta 600
gagatggaag aggcggagct cgaacatcaa tgtgggttat ggtga 645

<210> 20646
<211> 243
<212> DNA
<213> A.fumigatus

<400> 20646
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gaaactacct tcacattctc caaggagtct gaaacagcgt tctataagta ctgtttatca 120
aagcttgtta ctctaccatc cgccgctaac aacgctcagg gaaacgctcg atgcctatcc 180
tacacgaaca cttcgcgccc ggatcacaga tcaaggaaat gcaagcccat actgacatgg 240
tga 243

<210> 20647
<211> 624
<212> DNA
<213> A.fumigatus

<400> 20647
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tccaatcctt ccctcgcacc tctttcgcag cttctttctc aatcacccat cccgccaatt 180
ggactgattc tcaccgagcg cttgatcaac atgcctgccg aagtcgttcc tccaatgtat 240
aacatgcttc tggaggagat cgcgtgggcc attgaagaca aggagcccta caatttctcc 300
cactatttga ttgtctccaa gacttacgag gaggtcgaat ccaaactgga catggaagag 360
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cccgaggatg aggtgtttga gcgacatgcg atctgctctg gctcgataga gtatacacat 480
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tcgggaagtc tgatattgat cgacggcccg aaactggaag ctgcagtcaa agatgtgacg 600
gattatgtga aacctcctgt atag 624

<210> 20648
<211> 2262
<212> DNA
<213> A.fumigatus

<400> 20648
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cagatgccgc ctaagcgcac acggcgtgcc ggagctgctg ctcgctccga ggcctcaatc 120
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ccaagctggg cctatggctc gccggcagca cctgtccttc ctcgtcgact agttgcgaag 240
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gaatcggtca tttcgtggat ggtagaacgt gatatccatg atgatgacct gcaacggaca 780
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aagtatgata tccacgggca acaccacgtc caggagttca gtctggatgc gatcatcgac 2160
cagcccgata tccgtgtaga ccgagtcgca tttcgcgtca attcaaattg gggggcaaac 2220
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<210> 20649
<211> 669
<212> DNA
<213> A.fumigatus

<400> 20649
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ccacgcacaa tcatgctcca gcgcatgccg cgggacggcc ataaaccccc ggcctcttca 180
gatatcgaac aaagcccaac agacgagaag accgggagca tggcaacagc agctaggcct 240
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catcccaaac catgggactc tgtcgttcgc tttgtcctca ctttccgatt tcccgtcatc 360
gttaccagtg ttatcggata ctgtttcctg tggtactggt ggattttgtc ggtcatcaca 420
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ggaggctaa 669

<210> 20650
<211> 705
<212> DNA
<213> A.fumigatus

<400> 20650
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atcccaggcg atgaggtcag tctaatggac tacctgctcc gagagcagga gcggctacag 180
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aacgagatca tcaagaagcg atatatcgag aatattcttc ccgcagtatg cgcccacctc 360
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aacgtgctgc aggcgctttc gcgtcgcatt cactttggca aattcgtggc ggaggccaag 480
ttccagaagg atcctgagtt gtttgtcaag ctgatcaagg ccaatgatcg ggccggaatc 540
gatgcggcca ttaccgatgc aaaggtagaa cagaaggtgc tggagagatt gggcctcaag 600
gccaagacct acggaaccga ccctgcgttc ccgtcggaga cagggccgaa gatcaatgtg 660
gatgcggtgg ttgccatgta caaggtgcgt gacaagtttg actga 705

<210> 20651
<211> 261
<212> DNA
<213> A.fumigatus

<400> 20651
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gacagctatc cccttcagtc aacgagcata atcaacttct atgccgtctt cctcaacttg 120
agcgccttca tcaacccagt acgtcccttt gaatcactaa ttgtgactgc tgggtcgcag 180
ctgactgata cctccagttc tttattgcgc aatggcaggc caccgcagga tacacatgga 240
cgtttgccac gcaggctttg a 261

<210> 20652
<211> 423
<212> DNA
<213> A.fumigatus

<400> 20652
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cccctggaga acttggcagc cattgaagag ccattggtgc gggagaaggt aaaactcatc 180
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cggggaggaa ttatccgaga agcagatcga agaatacttc atccccatgg ttattcgcct 300
ctcgaaagca gattggttca catcaaaagt ctctgccact ggtctctatt gcgttcccta 360
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tga 423

<210> 20653
<211> 198
<212> DNA
<213> A.fumigatus

<400> 20653
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gatgttccac gacagatcgc taaggctgta cacgaagaag ttgttactcg tgacatggtg 120
ccctcatttg ttaagcttct gaaggacaca gaggctgaag ttcggactgc cattgcgggc 180
cagattccag gtatgtag 198

<210> 20654
<211> 393
<212> DNA
<213> A.fumigatus

<400> 20654
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ctcgctagtc agctgggtgt caagtttttc gacgaacagc tcagcgactt gtgcatgggc 180
tggctcgggg acactgtctt ctcgatcaga gaagctgcca ctcaaaattt gagaaagctc 240
acagaagttt tcggagtaga atgggctcag ggctctatca tcccgaaggt tatggccatg 300
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cccgggcctt tccgagtgat gggccattac tga 393

<210> 20655
<211> 339
<212> DNA
<213> A.fumigatus

<400> 20655
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ttgatcgaca cactacgtcg ccttcctgcc caagggacac tatccgagct cgagaaagct 180
gggaaaccag cgatcccgtc acctcggggt caggagctta tccagcagag aatcctcccc 240
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<210> 20656
<211> 195
<212> DNA
<213> A.fumigatus

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aaggtcggcc tgtga 195

<210> 20657
<211> 201
<212> DNA
<213> A.fumigatus

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gctgcccgtg ccaagtccat gaagttcacg gtacgtcaag agtgctttgg ggaatctgct 180
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<210> 20658
<211> 621
<212> DNA
<213> A.fumigatus

<400> 20658
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actggtctct attgcgttcc ctacaggaaa tcacaaccgc cactgcagca aagtctccgc 180
caatatttcg gaggccttgt acatgacgag acgccgatgg tgcgacgaca ggcggcaaat 240
aaccttgcca agtttgttaa ggaaatgcag acacaagtga tcattgaaga aataataccc 300
ttgttccaat atttggcaag tgacgatcaa gacagcgtgc gcttgttgac tgtggacatt 360
ctcatctcta tcgccgagga aatccccaag gagcaacaac ccagccatgg tgtcctgctg 420
acctccctgc gcaatctttt cgaggataag agctggagag tgagatacat ggttgctgat 480
cgatacgaga aggtaatttg tccttggtgc tgctctggtt atcctgttca gattgtgctg 540
atgttccacg acagatcgct aaggctgtac acgaagaagt tgttactcgt gacatggtgc 600
cctcatttgt taagcttctg a 621

<210> 20659
<211> 213
<212> DNA
<213> A.fumigatus

<400> 20659
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atcgatcctt ggcacaccaa actctggtcg gcacttgaat ggtctggaat gccccccctca 120
gaggccttgc agaaccttaa agttcctaac ggtgagtgcg ctggcgcaaa tagcgcgttt 180
tgtggtcgga caacatatta cgtatctagg tag 213

<210> 20660
<211> 477
<212> DNA
<213> A.fumigatus

<400> 20660
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actgactctg tcctctctgt acaggacggt ttcatgatcc actccggtca gcccgccaag 180
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gactccgtca ccatcatcga gcccaaggag gagcagcccg tcctgcagcc catgagccag 360
gactacggtg ccaaggctct cgccgctcag cagctcgccg agcagcagcg acttgctgag 420
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<210> 20661
<211> 270
<212> DNA
<213> A.fumigatus

<400> 20661
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cctcagagga agcctatctc aacgtcccag aaggctgctt tgcgagccca aaaatgcctc 120
catccaaacg taacacagaa agaccttcgc aaatggtttc aggagaccta cgatcatact 180
ctttcatctg gtctcatctc tgatatctta tcccgcaaat acgactatct tgatgctgat 240
tctgaggagg agcttgaaat tctaccataa 270

<210> 20662
<211> 195
<212> DNA
<213> A.fumigatus

<400> 20662
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gcgccagata atgtcggagc ctacgacggt ggtgatccag gctttatcta caataccact 120
gccttttccg atatctgcaa tacgccctca ctgaaaaaaa cctacggttt ctttgatcgc 180
ccaaatggct tttga 195

<210> 20663
<211> 198
<212> DNA
<213> A.fumigatus

<400> 20663
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gccaagaatg tttctgtcca ggtctcaaat acaggatatt gctggtttca caacggtgga 180
acaaagacta cttcatga 198

<210> 20664
<211> 264
<212> DNA
<213> A.fumigatus

<400> 20664
agatcgaaat ccccgccaac cggtacgcat atttttcggc aaacgttgga aactccaatc 60

gtatatactg agcctctcta cagttatgat ctgctatgtt tcgaaggtat ccagctcatg 120
ctaaacatct tcctgggccg gaagcctctt cccaactacc gactggttga gcccgccaat 180
ggacaactgg agaaaatcat tgtcaaggaa gatgtaagtc ggcgtggttg gaaattctat 240
gtcgcgtcaa tatggactaa gtaa 264

<210> 20665
<211> 1500
<212> DNA
<213> A.fumigatus

<400> 20665
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gcccgctatg aatccttcat tgctctgcaa gacaaactcc accagaacct tgccagacag 120
agaactcttg tttcgatcgg tacccatgac ctggacacta ttcagggccc cttcacctat 180
gaagcactgc caccaaagga catcaagttt gtgcctttga accagacgaa agaattgaac 240
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aatacttata tctataaaca gaaagacaag catctgggca aatatctcca catcatccgc 360
gactcacccg tttaccccgt catctacgac tctaagagga ctgtctgttc cctgccgcca 420
attattaacg gtgaccattc aaagattact ttagacacca agaatgtctt gattgagatt 480
acggctcttg acaagacaaa gctcgacatc gtcaccaaga tcatggtcac gatgttttcc 540
caatatacct ccaagccctt cacgtatgta cggtctgctt cgccttgtac acatgatact 600
aactcattct tgtgcagtgt tgagcctgtc cagattgtct ctgaacacaa taacgagacc 660
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gcggacgtgc ttcaccaggc agatattatg gaggatgttg ccattgcgta cggtttcaac 900
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aacccagccg tcaacgactt gcattactgg attgaagagc tcgacggtaa gttttatatg 1440
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<210> 20666
<211> 441
<212> DNA
<213> A.fumigatus

<400> 20666
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gcggcttcga agttgtgcac ggcttgctcg accgcatcat ggccatgctc aagagcgcct 120
tcatcacagg tgaggagtgt ttcgagaacc cagccgtcaa cgacttgcat tactggattg 180
aagagctcga cggtaagttt tatatgcttt ttttttttct ttttttttct ttttttttct 240
ttggctacgt gtatatcagg tactaactcg gtcttagaac ccacttactt cccgggccat 300
gcggcgtcca tccaccttcg tattgctggc aaggaccacg tcatcggtgc cttcggtatc 360
ttacacccta cagtattgga gaagtacgag ctgaaatacc ccgtgagcac gctggagatc 420
aacattgagg ctttcctgta a 441

<210> 20667
<211> 246
<212> DNA
<213> A.fumigatus

<400> 20667
aagaccacct gcttaatgat tggagaaagc ccatcccgta atactcgtac aaatagtcgc 60
aacaagaacg acttccccat tccgcaatct catttcattt caagcatcac ttttggtatc 120
ctacctaggt ctttcactag gaatctagga gagagctgta agccgagaga gattctccgg 180
cagttgcaaa cgttattgtc ggaaagggag gcaactgaag ttcatgtagt gttctttatt 240
gcgtga 246

<210> 20668
<211> 867
<212> DNA
<213> A.fumigatus

<400> 20668
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tctcaagctc acggtaccag gttggagaag tcccgcgccc agcgcataat gtggctcatg 120
gaagaactga acctctccta cgacatcaag acctacaagc gcggtcccaa cggcatcgct 180
cccccggagc tcaaacagat ccatccattg gggaaatcac ccatcgtctc ggtccaaccg 240
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catttcagct cccccagcac ccacctcgtt ccccagcggt acaagcccgg gcgcgagggc 360
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ggaagtctca tgtctccgat tcaggtgcaa ctcatcatga atggtatttc cgctgtcctc 480
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caggaacttc gcacccattt ccgcttcctc gaggaccagc tggcgtcggc gccggagaat 660
gggccgttcc tgtgtggttc gcggttgacg gccgcggaca tccagatgag tattccggtt 720
attgcggcgc tcaacctttc catcatcccg cgggaggagt atccgcggtt ggatgcttat 780
gcgggggcga ttcagaatga gcagggctat aggcgggctg tggagaaggt ggagaggatt 840
gaggggaagc cttttgtgcc gatctag 867

<210> 20669
<211> 681
<212> DNA
<213> A.fumigatus

<400> 20669
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ctctccgcta cggcgatgcc cgtcgccgac gccgaagggg acaatgccgc tactccgttg 120
cccattgccg atgtcgaagc ggacactgcc gctgcgattc ccgtggccaa tgtcgaagcg 180
gacactccca ctactgagac acctgtcgcc gagatcgaag tggacaatgc cgacatcgaa 240
gaggacactc ccgatgtcga aggggacgct cccgcagccc tagaggcccg ccgagtcaag 300
tgtcgtttca agaagatcgg ctggaagaac gttcggtgct tctatcaggg tggtgattgg 360
agccagtacg cattctttct gcttgagcga cggcccctat cgaatgctaa cttgtggtcg 420
atagctcgtg gtttgagatc agtgcgaatt ctgccgtcaa tgccaagaat cttatcttca 480
cttcgtgcaa tatcaaggac atccctgctt gctaaggttt ggattccgat tcaatcgggg 540
gtatggttgt ttactaactg tactagggcg ctgtattcga catgcccaga actgtgcatc 600
gtaccaggcc tcactgggag aaagtcatcg ggtatggtca gggatcacag ggctattcgt 660
tcttcgttct tttcaatgta a 681

<210> 20670
<211> 1023
<212> DNA
<213> A.fumigatus

<400> 20670
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tacagtcttc acgagcacaa acatctctgt agaagagcta tgaccttcag tgcatcaggc 120
ttggacactc tcctgcaccg tccagcacga gaaagcatca gtagccgctt gctgagggcc 180
ccagtgcctg ttcttgcgga acttctttac acgcgattcg ttcaaacacg cacgcccacg 240
cctactgacc atgatggccc aaccatccgc gtggtttgca tctcagatac tcacaacacc 300
cagccgcaac tgccagaggg agacctcctc atccacgcag gcgatctcac ccagtccggg 360
actcacgccg agctagaagc acagatcgga tggctcgatc gccagcccca tcgcttcaag 420
gtagcgatcg cgggaaatca cgagctgtgt ctggatccga aaacaccagc tgaagcacct 480
ggtggcaatg atccagtcga ctggaaatca atccggtatc tggagaactc gtcgacaatc 540
ctcgactttg ggtacagacg cgtcaaagtg tttgggaccc cctacacccc gcaacacggg 600
aaccgggctt tccagtatcc gcggaatgag aatatctggg acaagatatg gatccctgag 660
gacactgata ttctggtcac acacggctcg ccgaaaacac atttagattt gggacggtat 720
ggatgtaaat tccttcggga ccggtcatgg tcagccaaac aaaagccttg gctgcatgtg 780
ttcggtcatg tccatggggc gtatgggaag gagactctct gctgggatga gtttcaacga 840
gcgtacgaga gcatcatgga taatgaggca aaatggccaa gtatgatccg gttactgtgg 900
catgcatttc tacggcttat acgcctgagc gatacatgcg aaaggactgt gatggtgaac 960
gccgctgcaa ttggaggact ccgcgacgaa aagagacggg acgctatctg tgttgatatc 1020
taa 1023

<210> 20671
<211> 216
<212> DNA
<213> A.fumigatus

<400> 20671
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ctcaaggata tgggctatgt cccggctggc ttctatggag gaggcttcct cggtcgactc 120
ctattggctg agccaaccta ccgctggggg gagcgacgca tgatcttcct ctacgtagtg 180
ttgtgtgttg gtctgcagct gatgttctgg ctgtag 216

<210> 20672
<211> 219
<212> DNA
<213> A.fumigatus

<400> 20672
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ttcttgagct tactctctga tgtggagctt ggaggatatc cagacttagt taacgccagt 120
ttatccccca gcattgtatc taagctgagg gaatatatct actcaattaa tattaggtca 180
ctcctagata agcccattca agcagttagc tacacctaa 219

<210> 20673
<211> 594
<212> DNA
<213> A.fumigatus

<400> 20673
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ctgcccactc ccagccactc ccccaaaccg ccctttttcc tcttagccgg cgacagcaca 120
accgccaagc aatcctccaa cggtggcggc tggggtgacg gattcctcaa cacgaccctc 180
ttccacggcg ccagcggcct caactacggc cataacggcg ccacgaccgt cagcttccgc 240
gccggagggg actgggagac ggttctaagc aaagtagccg agtacaagga ccgttacgcg 300
cctttcgtga ccatccagtt cggacacaac gaccagaaac ccgccgccaa catctccctc 360
gccgagtaca cacgcaacct cgagcaattc gtcagcgagg cgcgcaacgc aggtgcgacg 420
cccatcctgg tgaccccact ttcacgccgg aattacgaga cttccaacgt caccggcgag 480
cctactatca tcttgagtct ggccgaccag cgcgcggcga caattgcggc ggcgaaaaat 540
tccgcgtgcg gcgtacatcg atctgaacgg tgcgagtacg cggtatctga atag 594

<210> 20674
<211> 654
<212> DNA
<213> A.fumigatus

<400> 20674
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ttctgcggct ggcttgtcgc cgcgctgtcc aacagccatc tctgccagta ccttgatctg 120
ggggttctcc tggccctagg ggcggtactt caggtcctcg cccacgcctt gcggacatgg 180
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tttattcatg ccatgtacat ggccggttgt ctggtgggtc cgtttgtctc gactgctgtg 360
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gtgatcaacc tggttctggt gatcggtgca ttccatgatt ggttgaaggt gaacgccgca 480
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ttgcacgcca agtgtgtggt tgttgagtct gtatttcttc ttcttcctgg gcgccgctat 600
taccgccggt ggtatgtaat gctccctgcg tctgagataa tactgaccga atag 654

<210> 20675
<211> 282
<212> DNA
<213> A.fumigatus

<400> 20675
agcttcttat gtgcggtcgt cagcttgttc ggcatcttca agctgaccgt cccaagtacc 60
ggcgcatggc tcttcgtcaa ctttatcttc gatctgttga tcgttttcct ccttttggct 120
aatattgctc tttcttgctc cgaggttgca agctggggac aatgcgttga ctattctcga 180
aagtttccag ctccagggtt cgaggggaga tgtaacaggt ttgcgaacgc gatcaaggcg 240
ctgatactcg tgggactcgt attcgagatg gccctcatgt ag 282

<210> 20676
<211> 183
<212> DNA
<213> A.fumigatus

<400> 20676
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aagctggtta tctatgcgat gatgatccgc gggcggcatt ggggtctact gtaccagctg 120
gatcgggcga ttgtgctccc gaacgagcgg ttggatgata gtctgggaga gttgatgatg 180
tga 183

<210> 20677
<211> 390
<212> DNA
<213> A.fumigatus

<400> 20677
gaacctctcc gtgggaaaac tcacgaagtt cgtccttacg tcgagattct tcgctgcgtg 60
ggaccaccac ggctatacga ccaattgttt ttccatcgaa cagccaggaa agacgacatc 120
gccaagccgc aatcagactt tgtcctcggt tatgtcgctg ccaattcaag taaattgctc 180
gggtatcggg ctcccaacgg ccggtctgtg ctccactata ttgctgccgc tgggaacgag 240
gccctgctgg cggtttccca gaaagagggc gcagatatct ctgtgagatg tgacaagggc 300
gaggcggccc tgcatgtggc tcttgagacg ggccaagacg ctaccgccgt gcagcttctc 360
gaagctctat ttactctgcg agcctggtga 390

<210> 20678
<211> 324
<212> DNA
<213> A.fumigatus

<400> 20678
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tcgaagtatc tggtgagcgt gggactactg accagggtcg atcagggtct cagaagcaat 120
gactatgcca aaagtgtcac gtctctcatg cattctactg atacagcact agacgactat 180
gtctaccttg tggttgctcc tagatcggca caaaaggctt cccctcaatc ctctccacct 240
tctccacagc ccgcctatag ccctgctcat tctgaatcgc ccccgcataa gcatccaacc 300
gcggatactc ctcccgcggg atga 324

<210> 20679
<211> 321
<212> DNA
<213> A.fumigatus

<400> 20679
actagatcac accttgaccg tttcttctcc caactctcct ctcttccctt tcaacgcacc 60
cacgcattga ggttcgacat ggacgaaaca acgcctctcc tgcctggaca aaatgaccac 120
aacgacgagg atactaccgc aacacgacta acacgcgtct caagaatcat cgccatcctc 180
atctggtcgt ctatcattac atctgccgtg accttcttgt acagcctcac cgtctacctg 240
gtggtcaaac tctcccttta ctatgtcttt ttctcttggg gaatgcgaga taccatcgaa 300
atgttgctcc ctctggtatg a 321

<210> 20680
<211> 246
<212> DNA
<213> A.fumigatus

<400> 20680
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ggcgggggct ttggcgctgc cgatctcgag attctgaata ggggaggaag agttcaagtt 120
ttgaacgata ccgcgcagtg cctgaactgc agtagacggc tcgacatatc caagtctgta 180
cccaacaatt tgaggggttg gtctgccagc agggggggtc aagctggaca agagatccat 240
gaatga 246

<210> 20681
<211> 399
<212> DNA
<213> A.fumigatus

<400> 20681
cggaccccac ttggtagtct tgcgaacctg ctcgagaacg gcaatcttct ctacagagct 60
gggaatggaa ttcacaatct ggcctccgac ccaaggacgg taaagacgag cggtgatgag 120
tccgatgttc tcgagctcac tgttggcttc cgcctttgcg agaacatcaa cgaatactcc 180
ggtggagcca aagatgaaaa tggccgactt ggcatccgag ggaccagtgt attcaatcgc 240
gcggtaggtg cgtccagtgc tctgggacag aatcctccag atctgggcgg tccactcgaa 300
gatgtcggca gcgctgaccg gacggaccga agttgcagca tcaacggttg tggctgcaga 360
gctggtggca tggctgtccg tgctgctatc tctccgtga 399

<210> 20682
<211> 822
<212> DNA
<213> A.fumigatus

<400> 20682
aatgcagtgc aaaaagacaa tgacaggttt atctgcaggc atgacgagca tatctcggag 60
cgggacattt atcatcaagg tgaaatcgca agggcacgcg tcctgctatc caacaaggaa 120
attaatcgta acttttttatc atccttcact cttcatcctc ctcagcaacc tttaaacgag 180
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tcgctccgga gtctcaccat cagtgttgcg ctcaagtgcg taccgcttga gcagaccctt 360
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tccgtggtaa ccaccgccaa ggtacatgtt gtaagcaccg taggccttac cgacaaaggc 480
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aaggtagcgc tcagactcgg ccatcgccag accacatgtc gggaacgcga cacaagcaga 660
ggaagacaga cgcagaccgc tgaaggaagt gttgtcgagc ttgtgcttgg ccattatctc 720
cttgacagcg ggcaagtcct cgtctttgat gttggtgaag accagatgct ggttaccagt 780
caggcggaac tcgcccttgt cgagcttggc caattcccgt ag 822

<210> 20683
<211> 1164
<212> DNA
<213> A.fumigatus

<400> 20683
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gaagtggttc aagcccttct catccttctg ccagccaaag gtgtcgacgt tggaagtaaa 120
cttgaacggg cggggttcag caaatcgcaa accatcggga aggagggcct ccaccttgcc 180
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cttgcggtca ccaaagtccc gctggacgag cataatcttc tcacagacaa tgtgagcctg 300
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<210> 20686
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<210> 20687
<211> 423
<212> DNA
<213> A.fumigatus

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<213> A.fumigatus

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<212> DNA
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<212> DNA
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<212> DNA
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<212> DNA
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<212> DNA
<213> A.fumigatus

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<213> A.fumigatus

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<211> 834
<212> DNA
<213> A.fumigatus

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tccgccaatt acggtatgtc tcacgagcaa aatcctcttt ttggtacttt ggctgggctg 780
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<210> 20700
<211> 303
<212> DNA
<213> A.fumigatus

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tga 303

<210> 20701
<211> 1350
<212> DNA
<213> A.fumigatus

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<210> 20702
<211> 483
<212> DNA
<213> A.fumigatus

<400> 20702
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tga 483

<210> 20703
<211> 468
<212> DNA
<213> A.fumigatus

<400> 20703
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<210> 20704
<211> 186
<212> DNA
<213> A.fumigatus

<400> 20704
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cgctaccttt ctcgtcgtcc tgatgatgtc aacgcatccg ggagagtcag agtggcagca 180
tattga 186

<210> 20705
<211> 486
<212> DNA
<213> A.fumigatus

<400> 20705
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tattga 486

<210> 20706
<211> 405
<212> DNA
<213> A.fumigatus

<400> 20706
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<210> 20707
<211> 1128
<212> DNA
<213> A.fumigatus

<400> 20707
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<210> 20708
<211> 213
<212> DNA
<213> A.fumigatus

<400> 20708
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ggttctgggt cttggatgta tttaaaaatac tag 213

<210> 20709
<211> 726
<212> DNA

<213> A.fumigatus

<400> 20709
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<210> 20710
<211> 1548
<212> DNA
<213> A.fumigatus

<400> 20710
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<210> 20711
<211> 279
<212> DNA
<213> A.fumigatus

<400> 20711

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<210> 20712
<211> 1203
<212> DNA
<213> A.fumigatus

<400> 20712
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<210> 20713
<211> 567
<212> DNA
<213> A.fumigatus

<400> 20713
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<210> 20714
<211> 435
<212> DNA
<213> A.fumigatus

<400> 20714
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agagtgggca tatga 435

<210> 20715
<211> 258
<212> DNA
<213> A.fumigatus

<400> 20715
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<210> 20716
<211> 2556
<212> DNA
<213> A.fumigatus

<400> 20716
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<210> 20717
<211> 1122
<212> DNA
<213> A.fumigatus

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gacgctctgg acctcgttga tcttgtcagc gatcaagtgc gaaaattggg cttccatagc 240
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atcatgtgga cttttgcctt gcttcgctgg acctggaaaa ctacgaatgc aaacatggtc 480
attctggcgc tgctaatctc cagcgctttg atgaacggac tcttcacttc acgatacact 540
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gataaggagg atgacgggtt caacacgcag gttgaccaag caagtcaaac tgtttttgca 1020
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caggagcagc ttgagaggag cggtattgta tatggtaatt ag 1122

<210> 20718
<211> 462
<212> DNA
<213> A.fumigatus

<400> 20718
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accatacaat ccacttttgc tgcgatcact ggcttcctct acctctattt ctctactccg 180
gccggcaaga aggttccgtc catttttccg actcgcaaga ttctcttccc tttgctcctg 240
gtcagtatct cctcgtccct ggcgtcgcct tttggatatg ccagtcttgc gcacatcgac 300
tatttgacat ttattctggc caagtcgtgc aagcttctgc cttggatgtt tttcaattgg 360
atattcttcg gcaagacata tccgttgtat aagtacgggg ttgtcttgtt gtcacccctt 420
gggagtcgca actttcacct tccaccaccc tggaaccagt aa 462

<210> 20719
<211> 771
<212> DNA
<213> A.fumigatus

<400> 20719
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tcggcaagac atatccgttg tataagtacg gggttgtctt gttgtcaccc cttgggagtc 120
gcaactttca ccttccacca ccctggaacc agtaagaagg ttgccgcgtc ggcagcgaaa 180
aaccagtccg gttcatctct gtatggaatc ttcttccttt ccatcaacct ctttctggac 240
ggcctcacga acaccaccca agaccatgtc tttagctcac cgcaaatcta tacgcgcttc 300
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gaggtgatga agaatgtgct cgggtttgcc gcctgcggag ccatcggcca gcttttcatt 540
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ctcggaattg gccttgtatt tggcggcatc ggggccgaag ccgtggtaca gaagcgggag 720
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<210> 20720
<211> 1701
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (498)
<223> Identity of nucleotide sequences at the above locations are unknown.

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gaagacgaag atggggaatt ggtaacgccg gccgttgatg cagaaattat ggcgacactg 180
aacgcaattc gctcaaaaga tcctcgtgtc tacgacaaga acaccaaatt ctacacagcc 240
ctcgacgaag aagaagaaaa cgcaaacacg ggaagtacag agaaaaagca aaagcccatg 300
acactccggg actaccatcg gcaaaatctt cttagcggtg ccaatctgga agaagacgat 360
acctccgaca ctccgaagac ctacgctcag gaacaagagg aactaaagaa tgctattgtc 420
aaagagatgc accccaccgc tgatcaaaat ggtgaggata aggacgagga tgggggattc 480
ctgattccga aatccatnac caagtcagcc tcggaaccca aggaggaaat taagctggac 540
gttgagaatg cggacaagga tccggagacc ttcctctcaa acttttgtc ttccagggca 600
tggattccag ctggtagatc cgagctgcag cctttcgagt ctgaggatga ggaggagttg 660
gagcgggcag aagcctttga ggaggcatac aacttccgct ttgaagaccc tagcaagctg 720
aacgcgaccc tggtgaccca cgctcgtgat aagaccaacc aacagtctgt tcgaagagag 780
gaaaagagtg ctagaaagaa gcagcgtgag gctgagcgca agcgaaagga ggaagagaag 840
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cggtttggcg aggactacta cgccgaggaa gacgcctctg gtactgatgg cgagggcaag 1080
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ggcaatgagg agggtcctgt cttcagcttc ggcagtgaaa agcctgtggg taatgcggag 1620
caagcagacg atggagacaa agtggatatc cgggaagggg agcccaggag gaagaagaga 1680
aagaggtcca agaagcattg a 1701

<210> 20721
<211> 666
<212> DNA
<213> A.fumigatus

<400> 20721
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gtcctccaca accttcaaca tcagcatctt tggacctctc tccaaatcca tgacttgcag 180
atatccaatt cctccgtctc accgtcgtcg acctcaacat ctacagacaa gctttccagc 240
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cgggtcacaa aggagtgggg tgggaagaga cttctcttgg ccatggttga tcgaagcatg 600
ggtggggatg gtaccatggt gtactatgtc gtccaagaag gtgctgtgaa gccaagacag 660
aattaa 666

<210> 20722
<211> 369
<212> DNA
<213> A.fumigatus

<400> 20722
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acgccatga 369

<210> 20723
<211> 183
<212> DNA
<213> A.fumigatus

<400> 20723
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ccgccgctcg cccgcttcgt ctatgacttc tgcggacgct gcctcattgc cctactccag 180
tga 183

<210> 20724
<211> 249
<212> DNA
<213> A.fumigatus

<400> 20724

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ctactagatc ctgctcctgc ccctcctcct attatcgtta tccaaaatcc tccactgcta 180
ctatatttta ctcgccgttc tggaccctca aatctgagat tttttcggtc tatctttctc 240
catctttga 249

<210> 20725
<211> 597
<212> DNA
<213> A.fumigatus

<400> 20725
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ccatccacca gagcttccaa tgatctcccg gactatgcgg cccacatccg ctcaaggtca 180
accgttcatg ctcacagtcc caaacgcctc tcggtcttca gtggtcgatc caggagcaat 240
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gagcgcgaaa agtctcgttt cgaggtctca gagatcttca gtcgccacca caagacgcga 540
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<210> 20726
<211> 1470
<212> DNA
<213> A.fumigatus

<400> 20726
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gaagatgtct acacgaatgc cttgtcggaa attattgctc gtgactactt tcccggactg 240
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<210> 20727

<211> 1989
<212> DNA
<213> A.fumigatus

<400> 20727
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gacccggcgc gggcaagcgg tatggttcac gatagagcaa aatcaacatc tgaggtagat 1860
gttccacgaa ccgtcaggac tactaggaga aatgcttcgg caccacttcc tccagtcccg 1920
ctgaagagcc cgaaccgaag aaagggcagg acatcatact ccctttccc taccctgca 1980
gcgaattga 1989

<210> 20728
<211> 1341
<212> DNA
<213> A.fumigatus

<400> 20728
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atctttcttg tcaagccgtg ccttgctctt gatccgccct ctgattccgc cctcttgatc 180
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<210> 20729
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<212> DNA
<213> A.fumigatus

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tatgccgagg ctctgtacag gaacttttcc tattctctgg accagatcca atgcaacaca 180
accaacgaaa ccagcttctc tttggctgtg agttgcaacg actgtgcgga tgcttacaag 240
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<210> 20730
<211> 312
<212> DNA
<213> A.fumigatus

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ggaaggttga gcgggtctga atcttggagg ttgataaggc cgccgaagtg gcgtcaagcg 180
gatgacgacg tcacgttatt taggctgatg gtttaccagc tacagttgtt cctattcgat 240
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gataatatct ag 312

<210> 20731
<211> 201
<212> DNA
<213> A.fumigatus

<400> 20731
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tctacagagt gggatgcctg catcaagggg ccaaaggctg gcctgtctcc tactccatac 120
acatcaagga ggctagaaat gtatgtgaag tctcagagca gtctgcaggg atatgataca 180
gtgaaccaag tacctatata g 201

<210> 20732
<211> 186
<212> DNA
<213> A.fumigatus

<400> 20732
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aaatctagtt attcttgcgc tgcggacatt gcaatcgcct atggcctaga atatggcagt 120
cactgcagcg tgggggtgcc cgttgagggc gttgttctgt atctactacc tgctctggag 180
ggatag 186

<210> 20733
<211> 384
<212> DNA
<213> A.fumigatus

<400> 20733
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acgtcagtct gctggttcta cacgcgcatc ggcgacaaga cgctcacgcg catgtccttg 120
atcatgatgg gcatcgtcgg cacccaggcg acagtgttcg tcatggtggc agcctttcag 180
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cctatcaaag tcctcctccg cctacagatg ccggtcaagc agaagttggc cctgggtttc 360
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<210> 20734
<211> 489
<212> DNA
<213> A.fumigatus

<400> 20734
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ccgaccgaga ttggaaaagg gtacggcagc aacaccagcg aggagcgcat cgtggtgccg 420
aatgggaaga tctggacgac cacgcagatc gagacgaatg tggaaatcac caacacgagt 480
atccggtga 489

<210> 20735
<211> 249
<212> DNA
<213> A.fumigatus

<400> 20735
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atttactccg tacgtacctt ttctctcggt gttatcccct acatggccat tatcataagg 120
accgtctact ctatcctcca tattatccgg acctcggaag atgaaacgga tcaccagttt 180
gcagggacag tcagcttaaa ctcgggcaat ggccaaaaga accgatctca atcgctgtcc 240
gtccgctaa 249

<210> 20736
<211> 627

<212> DNA
<213> A.fumigatus

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<210> 20737
<211> 318
<212> DNA
<213> A.fumigatus

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gatccccagc agacaaatcc acaggcgcag cagcgagctg tcctcgatcc cgccccgtg 180
gcctggacta aacccagcac cgaccatcgc ctggtcttgc gtccggggac tcgaggagaa 240
cggcagtata tcgagttctt ctgcacgcgg acatcgcgcg cactttctgg attctttgat 300
tcggatctct ggcagtaa 318

<210> 20738
<211> 1752
<212> DNA
<213> A.fumigatus

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gagcaggagg gaagggtcct acttgcagta tcagctttga aaaataagga aattctcaat 180
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gattcactta ttagatggat tctatctatg gatcaacgtg gagcggctcc ccgaccgtcc 360
catgtacgag aaatggcgaa tatcctgctt gcgcagcgtg gttcaactcc tacccagact 420
gttggagaga aatgggtata taacttcatt aatcggcatg atgagatcaa aacccgattc 480
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aagaataact ag 1752

<210> 20739
<211> 708
<212> DNA
<213> A.fumigatus

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gtacagtcct tccgccaact gattggggtc cctccctcga ccgcctctgc caaagattcc 180
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gaccgagcga ttcccggggc cagcgctgag actctggtgt ctgtggttct gagtgaactg 660
gccgatgcgt ttgctactgt ccttccttcc tcggagatca ccgcatag 708

<210> 20740
<211> 360
<212> DNA
<213> A.fumigatus

<400> 20740
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aacgcaccca cccactctga acccgagaga tctgtcccag aacagcgatc tcagaccatg 180
cccggcggcg acagcagctc gcagcagaag gaggacggtg gtgtggagcg cgctccgcct 240
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gaggcctatg agtttgaaaa ggagatcgat gggcagccgt cgaagacgaa gactggttag 360

<210> 20741
<211> 1008
<212> DNA
<213> A.fumigatus

<400> 20741
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accaagatct tcgccggctc gccccccaag gaacccatcg ccatcctctt ggcgtccgca 240
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aagatgatca acgcgcggga gcaaaccctt acaaatgacc cgtaccctac tatcgcagcg 360
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gccgcggtcc tccgcggcct gccgttagtt gcgttcccgc ctcctcaggc ccagtcaccc 540
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<210> 20742
<211> 3252
<212> DNA
<213> A.fumigatus

<400> 20742
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gctcggcctt ag 3252

<210> 20743
<211> 219
<212> DNA
<213> A.fumigatus

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cacggacttt tatattttaa aatagatcca gatatcagca aacccatcgt ttgggatgtc 180
ctagagaaat ggattgaaat atgccataac gcctgctaa 219

<210> 20744
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<212> DNA
<213> A.fumigatus

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<210> 20745
<211> 1695
<212> DNA
<213> A.fumigatus

<400> 20745

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<210> 20746
<211> 204
<212> DNA
<213> A.fumigatus

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aaagagaaga agggcggaag ccttgctgct cagctcgcca cggtgctttc ctctctggta 180
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<210> 20747
<211> 1977
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
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<210> 20748
<211> 411
<212> DNA
<213> A.fumigatus

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<210> 20749
<211> 1287
<212> DNA
<213> A.fumigatus

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<210> 20750
<211> 999
<212> DNA
<213> A.fumigatus

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<210> 20751
<211> 618
<212> DNA
<213> A.fumigatus

<400> 20751
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<210> 20752
<211> 3369
<212> DNA

<213> A.fumigatus

<400> 20752

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atcgagccct atattttggg cctcggtgac agggattcat ctggcaattt tcgggtgtct 3120
atccgcttcc ccggcgctat cgcagcgaaa actgtgactc ttccaaagaa ggcagaaagt 3180

caaaaccctc gacagcgtgg gccctcgact ttcaaactac gaaagaatac aaaagctcgg 3240
gaaggccctg gaaactctat taacaagaag acaaccacca ctcagcagaa cggcgggagc 3300
gcctcttcgc cccggcatca accgcggaac acaacatggg caccgcgcac aagtagcgca 3360
tctcactaa 3369

<210> 20753
<211> 207
<212> DNA
<213> A.fumigatus

<400> 20753
gggaagttcc tcgagttccc attcggtttc tttaggcttc gggagcgacg ccaacttgct 60
acgaatagct tgactgacgg ctttctggtg caatctgata tctctcggtg tggtgccaat 120
caactgtccg ccttccatct gattgagcgc gaactgatct ctaggagtcc tgagcggggt 180
tgcccctggc ccgatcccac catgtaa 207

<210> 20754
<211> 420
<212> DNA
<213> A.fumigatus

<400> 20754
tgctttagta tcgcacatat ctttggcatg gacgtcaata atctttccag taattggaag 60
aaacttcagg aaacgctgaa aaaacaaagc gcttcctcat cctcgaagaa acgcaagaca 120
tcggaccgcg agactcaaaa tgttacgacc aagaaacaga aaatagagac aatagagcgc 180
aaaaagtcct cattaaagaa gaaaagaatg tccgaggggc aagagcatgg aggggacgag 240
agcgcacagg aacccatggt gaaaactatt tcccacaaaa gctctacagc tacgatctcc 300
gagcaatcgc ggactgagtc caagccaaca aaagttaacg agggccgttc acctacgtta 360
gtaattccta tccaatatat acaacctgcg tcatctgacc cctcctcagt gcagaaatag 420

<210> 20755
<211> 264
<212> DNA
<213> A.fumigatus

<400> 20755
ctaagtcagt caggaactcc gcgatcgtat gataccacgg gtgacagtgg taagctcaac 60
aagcacttct tctgtggtga ttgtggatcg agcctgtact cggagctgga gatcatgagc 120
gacaagacgg gaatcaaggc cggcacgctc gacggcggag aggcgcacct gcgcaacaaa 180
gtcgacgtcg agttctatgt taaagaccgt gtgcattatc tgaatgctct tgacaatgtc 240
agacaggaac ctcgtcttgg gtag 264

<210> 20756
<211> 690
<212> DNA
<213> A.fumigatus

<400> 20756
tattgtgaag aggatatatt cgcctcgcaa ctcagggaaa gcgagcgaga atgcaacgtg 60
aagagcggta tggccgggaa tcccgccgtc ttatcaacca tccctctcga ctaccacatc 120
tctatcatca atcagctttt tggccccggc tccgccgctc cgccggctgt ccgcttgccg 180
agctacctgg ttggtcttcc ggacagactg cacagtgatg atatcgagta tcttcgatgt 240
agtggggcgc ttgacctccc cagcgagacg ctccgcaacg agctactaaa gagctacctg 300
ctttgggtcc atccgcacat gcccatttta gggctgcatg aatttctctc agctgtcgcc 360
ggtgataacg aatctcatcg gatcagtctg ttgctatttc acgccgttct gtttgctgca 420
tcagcttttg tcgatgagtg tcatatccgt gccgaaggat atccttcgcg cagtgttttc 480

cgtgagagta tatcctgcaa agtaaaggta cattttgccc ctgccccgac cacggcggtc 540
caaactcatt tgtgcaggtg cttctcgatt tcgaatgcga agatgaccga ctcgctactg 600
ctcaagcgct tctgttatgg gtatctcatc ctgagccaca ccacgaccaa aaagaactca 660
cccagcggtt gggtatctgc atctctatga 690

<210> 20757
<211> 561
<212> DNA
<213> A.fumigatus

<400> 20757
cttgcgagaa tgatctacta ccttgttgaa tgctgccatc tttgcacaac atggatcttg 60
cataccggct cttggcccaa ggaacagacg ttaacacggg taaatgacct agggtggacc 120
ccattggtgc aggtggcgca ccatggacga gacgacatct ttgatttggc ggtgaaaaaa 180
aagtctcgat gtcaatgcaa agattcttgg ggacggacag cactctcatt tgcggctgag 240
catggcagcg aacataaagt acgttcattg ctgaacagga aggccgacca tcgtttcccc 300
cgttacagga cgcctttgac atatgctgcc agaaaccatc atcttcaggt ggtattgctc 360
cttcttagac acacagaggg cgtggatttt gctgatgaaa gccttcgacc cgcggtgacg 420
tctgcggttg cctttagtga tgtagtgttc ctggagttgg taattgagaa gggcaaattg 480
agcgactcta tccgtacggt gagacgacac ttcaacgcgc agcaagcatg ggaatttgcc 540
cgtcgtaaag tggctgctta a 561

<210> 20758
<211> 483
<212> DNA
<213> A.fumigatus

<400> 20758
gattctcgtc gagtagatgc tgacttggaa gcgaagaaca caatggacga gacccccag 60
cattgcgccg ccatcaatgg atctagatca gctgttcgcc tgctcctcga gaaaggagta 120
aatgtcgagc tgcacgacaa gtcggcgctt gttcccttac ttttagaggc ctcaaagggc 180
catacagcag ttgtctgtct tctgttggag tacagtgcca gtattgaccc caccaatgca 240
gatggcgaca cagcgttgat gattgccgtg cataatggcc accacgaaac gattctaagt 300
cttttggcaa ggtctgtcgc aatagactgc gtcaatcatg ctcaccaaac cgctctgtca 360
cgggccgcgg aaaatgacca cgacaagatt gtcgagatct tgctgcagta tggcacagaa 420
gtcgacttgc cgaatcatac aggccaaacc ccactaactt tgagcgatac aaaaaagaaa 480
tga 483

<210> 20759
<211> 1281
<212> DNA
<213> A.fumigatus

<400> 20759
gagtatatcc tgcaaagtaa aggtacattt tgcccctgcc ccgaccacgg cggtccaaac 60
tcatttgtgc aggtgcttct cgatttcgaa tgcgaagatg accgactcgc tactgctcaa 120
gcgcttctgt tatgggtatc tcatcctgag ccacaccacg accaaaaaga actcacccag 180
cggttgggta tctgcatctc tatgatcagc tcgagtcaaa ctcaaatagt caaggcaaac 240
gcaagaaaac aacaaatatg gagacggacg tggtggtcca tatacaatca tgtgcgaata 300
acatcaagta atcctcttac cttgaagcac gatccagaaa acggtgatct atgcgacacc 360
cctctgccca gtacgcacga tttcagattt ggtgctttat cccccaacgt ccaaacattg 420
gtagggaact gcgacttcct ccgcgacgtg cagtatcagc agttcctagc gagattgttc 480
attgagaaat ccaagctctg tcaagtagga caatttcctg gaccatcagg agatttgtct 540
gactcatcca gtcgcgtggt aggacttgca agtgcggaga acaaggcttg ccctactgaa 600
atcgcagagc ttgcccggag gttgggcaga tggcacacac agttgccacc ggcgcttcgt 660
catcaatcaa cgacctcaac ggctgtcaca gaactggaaa agttcattct tgtccatcgt 720

gcctggctgc tcttgcttta tctcgcctcg gcgtatgtcg tctgcacttg cagtgtgggg 780
aggaacagcc acgcggagga acacatccta aacagaacca gcctcgtctt cgacgaactg 840
catcgcttgg gcttcatcaa tgtgcttcct aatcccagcg tcgctattct catgcccgca 900
gtggagtttc atatcacggc tgtcgaatcg gcttgccctc aaacgaacgg agcgagtcaa 960
agaatgctcc agcaattctc cgaaatcctg catcagttgc aaggtagctc tgctcttgct 1020
ggtcgcatga tagagaaatt gaacaatatc acggctactg aaactaagga cgacctgtcc 1080
agagtaatcg cttcagaatc cgccatagca gaacaatcgg tttcgaatgc tgattttgtc 1140
ctagatgaaa ctgacgactt ttacagtttc ttggaatttg gcatgtcctt tgcaaacgtt 1200
atcccgctgg tagataacag tccaaatatc gggcttgatc ctcctctatg taacgagagc 1260
tatttttcac aattgccgtg a 1281

<210> 20760
<211> 216
<212> DNA
<213> A.fumigatus

<400> 20760
agacagggcg aggaatggaa aagccttcgc aaacggttca atcctgggtt tgcgccgcag 60
catatattga ccttgcttcc ttgcatactg gacaagacgg tgccgttttt cgaaacgctt 120
gatcgttatg ccgagtctgg cgaagagttt agcctagctg agacatgtac caatctcacc 180
tttgatatta ttggtacaga tctcactgtc tcttaa 216

<210> 20761
<211> 1128
<212> DNA
<213> A.fumigatus

<400> 20761
aaattgtgct ggtgctcaca tagcggtaca ggcgcagtga caatggacga ggacttggga 60
gcccagctcc ccctagataa acagagcgaa atggtcaggc tctaccacga gctgactgca 120
agctatcacc aaaagagctc agtccgcgca aaaccgtcga acccccttggt gatatggcag 180
caatataaac tggctcgcaa actcaatgcc atcatcaaaa accacatcaa acgcaaattc 240
gcagaattga aggaagccag cagtgacgaa aaaaaatctc gtagtgtcct cgccctcagt 300
ctacagggca tcgagaagtt ggatgcccat gtcctcgatc agacttgcga tcagctgaaa 360
acttttctgt ttgctggtca tgacacgact agcatcgttc tgcagtgggc attttatgag 420
cttagccgta cccctcgtgt tcttgaatcc atcagccgcg aactcgacga cgtctttgga 480
cctgatcctt ccccggcagt agttcgtgat aagcttcttg cgccgaatgg tggagaactc 540
ctcagcaagt tgccgtatac taccgccgtg atcaaagaga tactccgtgt ataccttcg 600
tcgggaacgg ggagactggt gcccgaggga tcggatgtgt atattcaact gccagatgga 660
aggtcgctgt gcattgacgg agtcctgatg tacaattgtg agacgctgat tcatcgtgat 720
gagactgtct atggggaatc gaaggatgat tttttaccgg agcgatggct cggtgactcc 780
ggtgctgatc gcataccgtc cagcgcatgg cgaccattcg agcgaggacc gcgcagctgt 840
attggccaag ggcttgcgac aatagaggcc caagtcattc tggcttgtgc ggttagacag 900
tatgaattcg cgaagattgg gctcggtgaa gtcgcgaggg acaatgcagg ggagccaatt 960
ctcggtccgc aagggcagta cgaggttaag tcgaaattgt tcaacgtgag tttgccagtc 1020
tccttctggg acctttcaac agcattgacg tttaagctag acaatgcaag tgactgcaaa 1080
gccggtagat ggaatgataa tgaaagtgaa gttgtcctcc ggtggtag 1128

<210> 20762
<211> 369
<212> DNA
<213> A.fumigatus

<400> 20762
cacaggcaat cgacgtcgat atcaacgatg accgtatgtg ttattttctg caacctatat 60
tgccggacta acaccacagt agaatccatc aaaaacgctg ccagcactgc tgcttacggc 120

gcgatgagtt actaccatgg caatgagtcc ggacagatcc ctggtgcgtt tccgaccaaa 180
tggtgggagg gtagtgccct gttcatggcg atgctgcaat accagtactt taccggcgac 240
catacctaca acagcgacgt gagcttgggt ttgcaatggc aagctggaga cggagactac 300
atgccttcca actacagtag ctacttggta agcacggtac cgaacaaact caaagtgcga 360
tgtgtctga 369

<210> 20763
<211> 372
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (363)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20763
cgatccaagg gaaacgacga tcaaatgttc tggggtctag cagccatgct cgccgcagag 60
ttacaattcc ccgatcgctc ggaaggttac tcctggcttt ccctcgcgca aggcgtctac 120
aacacgcagg tcgatcggtg ggatacgtca acatgcggag ggggcttacg ctggcagatc 180
tatacgtacc aagcggggta tacaatgaag aacgccatat ccaacggggg tttgttccag 240
ctagccgccc gtttggcgcg ttacaccaac aaccacacat attacgaatg ggcggagaaa 300
gtatgggact ggagttgctc gtcgcctctg ctcaatcttc accacgggca tggaaggacc 360
gcngattgcg tt 372

<210> 20764
<211> 471
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (322)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20764
gactcagatg atgaggaaga agcctacttt cccggagaat tcgaaaacag aatttcccgc 60
ctcaagacct tgtcaaaagt gcaaaacgtt gtcctacaat ttgataagcg ttgcggcgtg 120
tctaggcatc attggattac caaacctcct caaacagtcg ccttccgcaa gaaggccctc 180
agtgtcttgt ttgaatggct gccttcactc gaggcaccat tgcaatcctt gggtattcag 240
catctgcagg atgtcaacat caaagacgac gagctatctg agagaatcac taaagtgctg 300
cggaatctgc gagctcttag cntaagcatt gtgagcgagc acaatactgc gacaacagac 360
gatcctcaag gactttggga ccgggacaga ttcagtctat ttcctgagtc gcgatcgttt 420
ttttgcaaag cttccgtcag tgtggctgaa accaaccaca tcctctcttg a 471

<210> 20765
<211> 327
<212> DNA
<213> A.fumigatus

<400> 20765
gacggcggga ttcccggcca taccgctctt cacgttgcat tctcgctcgc tttccctgag 60
ttgcgaggcg aatatatcct cttcacaata tcagtcatcc tgattaatac cctatatctt 120
acggaaagtg acacaccggg acagtatgtg agcaacgagt ttggctcttc ggtgacgcta 180
cgagcactgc aacaatcagc aatgccatcc atctatctgg agtggttatg gttactgagc 240
atgactcacg gtgtgctccc atgcgcgtca cagtccaatt tggcccgacg acaggacgag 300

cacgagcctc cactgacgcc aacataa 327

<210> 20766
<211> 186
<212> DNA
<213> A.fumigatus

<400> 20766
gatatcgtca actttctccc atgtctcttt accttccgtg ttgctcccgt gaaagtcaat 60
ggagctggtg tcacgttgca gccctttagc tacgccattt tgctcagttt tttgccgatc 120
ctgttcacca gtcctcgatt gagcgagatt ggccggctca agcgtaggga atacagcggg 180
aggtag 186

<210> 20767
<211> 249
<212> DNA
<213> A.fumigatus

<400> 20767
cgattcatat tacagatcac catccccgtt tctgagaatt atccgtggca cacgcagatc 60
cagcgcgatc cattccatta caacactgct ccaacctcaa ttgatccgcg actgatactt 120
gatctgcgat tctttggata tgtcatgcct gtctatgaga attatgtcga gttctcatct 180
gaaatcactg acctttcgg catgcctcaa gtaaggccac catttcaatt tcccgtactg 240
cgtgcatag 249

<210> 20768
<211> 417
<212> DNA
<213> A.fumigatus

<400> 20768
acttggtgcc catcacgcat agggatatcg aatactgaat tttcgcctgg cagcatgcta 60
aacattgcct ctgagcttgg agattttatc cctggtggcg agcccaaatt tcttgctcca 120
ggcgcagcaa cgcatatctg tgggaccacc cgggcaggaa aggaagatga tggacactcg 180
gtggtggata aagactctaa ggtttggcgg ctggaaaact tgttcattgg aggctgcggt 240
gtgattccga cgcaaaatgc gtgtaatcca acactgaccg cggcttgttt tgccattgcg 300
agtgcgagaa aagttgtcga ggagatacaa gcgcttaaag gccagcagta tcaatcaaag 360
cgtcttcacc acggggctgg aaggatccga agcgtgctca aatcaagggg ggttcta 417

<210> 20769
<211> 1146
<212> DNA
<213> A.fumigatus

<400> 20769
gtgactttca cattatctac tcccgttaat gaaatctctc gtttcctaaa taacttacaa 60
gagaggaagc tatcacgaca ttccctttgg aggcagactc ttgttatctg caatcccatt 120
gtcatttttc tcaatcaggc tcgaaaagac tgttccgcaa taatgactcc ggctcgttgc 180
attgaggctt cgatgtcgga gcaggagggt tcgcattatg ttcggactca tgaatacaca 240
tctggaagtg caaagactcg tctgccaata tctgcacctt cattctatga tgatgataac 300
tcccttcagg aagtcattag ccatacttca catgatttcc aggaagggga gttcgtttgc 360
ccgggattct tccagatggt aaacccgggg aattttgtgc atcgagtcat ggcgccagac 420
tgggactaca tgatgcggag acaggcacaa gcaatcctgc cattcctcta cttgggccct 480
gtctcctgtt tgaaagacaa agcctggctc gcccaagagg ggttcacctt gctgctggcg 540
atacgcaaca aacgctcagc acaggcgcgc ctagtctctg gtgaaaaagt tggtgcggag 600
ctgggaatcg aagcagacgc ggtcgatgtc atggacaacc aggaacttat ctcggcattt 660

ccttatgcta tacgccgcat caacgaccat ctcgtgtcgt gtgggcctgc tgttcactcc 720
aacgcgccaa aaaagatctt tgtcttctgt gagtctggca acgagcgctc agccacggta 780
gtcatcgcat atctgatggt tatgctcaac ttgaacatgg cagtcgcgtc acatctcgtc 840
cagcttcgaa gattctgtat ctgcgttgaa gaaccactga gagaactcct cgcgtccttc 900
cagtctatcc ttgacgccaa acgggatgtg tataaggcca ttcaagcgtc tacgtcggac 960
tcgacttcag gaatccctca agcgactgtg tctaggaaaa gaaacattgc tgatcgattt 1020
gatgagccta caggttcagg tggtgatatg ctgggactgg agatggacat gaatatgaat 1080
attatggatg acggtgcaat tgatagtaga aagcctcttg ccccattcca agaccgttca 1140
gattga 1146

<210> 20770
<211> 390
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (347)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20770
gtcagtgata tcgagctccg ttgcgctttg ctgcgaacgg tcttgcgcag tgcgaatcgt 60
gatcatttac taactggact ggctggtcag gaattacaag cagtccctcg agtattgccc 120
gactggctca tccccgagac gaaagcccac cttgtccaag ctggtcgtgc gctgagcgat 180
cgtccagagc agtttgagcg cctcgaagat gaagacgact ccccaggctt gaaagaacgc 240
ttcaactggt acatgaaacc ctctgacaaa tcaaattaca aagagattct atctgccaat 300
cctaaccacc gtggcgagaa ttactgtttc cacagctcat tctcccncct aagcctattc 360
gcaattaacc ccccccccc ccctccttaa 390

<210> 20771
<211> 1722
<212> DNA
<213> A.fumigatus

<400> 20771
tcaaccaccg aaccgccgat accaccgaac cgccgcttcg ccgcgaatat catcgaattc 60
ttggagccat ctaatcaaca cattatttct ttaccactat tattaaaaat gccactatcc 120
aaagagaatc gaatgcagat ggccatatca gcatataaaa aggggcaatt caaatcaaaa 180
gcagccgctg ctaaggtctt tggggtgtct agagagaccc ttcgtgatcg gcttcgcgga 240
atcaaaccac gcgcagagac acgcgctaat agccataagt taacagctct tgaagaggag 300
gcccttgcta agcgtctatt agatgctgat aggcgtggct tttcaattcg accgcagttc 360
ctgcgtggaa tggcacatat tctactatgt gcacggacaa atgatccaac ttcagtcatt 420
ggagtcaact gggcatataa gtttattaaa cgccatccag cactgcgtac aaggtataat 480
cggaggatct cataccagcg ggcaaagcag gaagatccaa agattataaa acagtggttt 540
gagcttgtgc atgccactat tcaagagtat ggtatccatg aaaatgatat ctggaacttt 600
gatgaaactg gcttcgcaat gggactctgt acaacctcaa aggttattac tgcagtagat 660
cgcagtgaaa gacctcgtac agttatccag ggaaaccgcg aatgggttac aatcattgaa 720
tgcgtgagct cgaagggaat ttctatacca ccagtggtta tcttgaaggg aaaagaacac 780
caggctcctt ggtatcaaga atcaaatctt cctccagatt ggaggcttac caatagcacc 840
aatggctgga cgacagatga gataggcctt aagtggttaa aggaggtctt taatcctttc 900
tctagcctac actcaactgg tgcaaagcga ttactcattc ttgatggcca ttcaagccat 960
cagaccgctg agtttgatga ttttgcaaa gagaatgcaa ttatctgtct atgtatgcct 1020
ccacatacat cccatcttct tcaaccccta gatgttgggg tttttgggcc gcttaaacgc 1080
tcatatggaa aactagtgga ggggatgatg gtggctggga ataaccacat tgataaggag 1140
gattttctct acctctaccc tcctgctcgt gaagcagtat taaaccagag gaatatatgc 1200
aatggcttta aaggatctgg ccttagacct ttgaataaag atcaggtcct tgagaagatc 1260

acctttcaac tccgtacgcc aacaccacca cctcttatag aaggatcaat ctcatctgct 1320
tttcaaacac ctcaaaaccc tcgccagctt gatcacaaag ttcgcagctt acagagaagc 1380
ctgcagaaga ggaagctttc tagcagtcca gtctctcata ttcaacatct tgaaaaggct 1440
gcgcagatgg caatgagtat gaatcttctt cttcaacagg aaataaaggc tctacgggct 1500
gagaatgagc ggaaactgaa gaagaaggta aggaagcatg cttctctagg gaatgacctc 1560
tttttatcta tccaggaagg tcgtgaccgc attcagcagc ttaatgagca ggttgatgag 1620
caggttgata agcctatacc agagcctcgt cagcgtgctc caccacgctg cagtggctgc 1680
tggactattg gacatacaat acggaattgc cctagcaaat ag 1722

<210> 20772
<211> 2172
<212> DNA
<213> A.fumigatus

<400> 20772
cacacgccat ctattcgtgt gtccagaatt gggctcacca tgcgactccg cgagagtatc 60
cggccacctg agcgcttcaa ctccgagcta atcattacac catcaccaaa gaagactttg 120
cgcgaaccca gaaacccgag aaaccctcgt tttgtcgatt acaatccgca cctacctccc 180
gctgtattcc ctacgcttga gccggccaat ctcgctcaat cgaggactgg tgaacaggat 240
cggcaaaaaa ctgagcaaaa tggcgtagct aaagggctgc aacgtgacac cagctccatt 300
gactttcacg ggagcaacac ggaaggtaaa gagacatggg agaaagttga cgatatctca 360
atcgatgagc ttgaaaatat catagcgagc aatggggaac tcaatcctat ctacgtcaga 420
aacatgacaa tcatggaagc tgcagagacg tcgtcttctt ctgatatgga catgtcagat 480
agcgatcctg atgagccgtt gacagacgta gatggccggc acgcagaggt atgcgtcttg 540
gcagagtata cgccctattt ccgtgctgac tcttcccaag tccatcaggt tcattcacca 600
tccagatggt ctgacctttc tctgagcttg caagcagaga tcgccatcaa cctcagccaa 660
cactacggat ggtccacagt ctatagcaag cttgggttgg gagaaaagga acgcgaggag 720
ttacaggaac tcatcagacg ccgtgaccat caagttgcga tggaatactc agcgctgcat 780
gcgatgaggg caaagcaact cagagcccta ctcagaatcg ataatagctc ggggagtcgc 840
aacaggacac cacacaagct gatctttcgc agaatttccc gcaaaaccgc tcaaaggctt 900
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<212> DNA

<213> A.fumigatus

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<210> 20774
<211> 282
<212> DNA
<213> A.fumigatus

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<210> 20775
<211> 240
<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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<211> 363
<212> DNA
<213> A.fumigatus

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<210> 20778
<211> 1809
<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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tga 303

<210> 20780
<211> 228
<212> DNA
<213> A.fumigatus

<400> 20780
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<210> 20781
<211> 201
<212> DNA
<213> A.fumigatus

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<210> 20782
<211> 951
<212> DNA
<213> A.fumigatus

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<210> 20783
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<212> DNA
<213> A.fumigatus

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<210> 20784
<211> 264
<212> DNA
<213> A.fumigatus

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<210> 20785
<211> 258
<212> DNA
<213> A.fumigatus

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<210> 20786
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<212> DNA
<213> A.fumigatus

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<212> DNA
<213> A.fumigatus

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<210> 20788
<211> 288
<212> DNA
<213> A.fumigatus

<400> 20788
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aagctcattg acaattacct ttttcccaac ctgtctgagg aatcagacaa cctcatcgtt 120
ccgcagattc cagtcatgca cgctcagacc cgccaagagc tctatggcat cctcagtcta 180
ctgtgcaaaa actctgacga ttactgcacc gtacttgatt gtgttaaaga gctgatccct 240
gcaggtacaa ctttcctgtt cctagcaagt gcggcgtggc tattttga 288

<210> 20789
<211> 696
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (627),(629)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20789
cttgcgccca ggagtgacaa ggaaaagacc atcgaaggag atctgttcac cgcattcgtt 60
gcggcaggcg ccatctccaa agccaacgct gccgacccca agaagtcatc cttggtccga 120
tgcgcgcgca cagacaaggg tgtccatgca gcgggcaacg tcgtttcgct aaaactaata 180
attgaagatc cagacctcat caagaagatc aacgagaagc tttgccccca gatccgagtc 240
tgggacatcc aggtcacgaa taagggattc agctgctacc agatgtgcga ctctcgtgtc 300
tacgagtacc tgatcccaag ttattgtttc ctgccgccgc atcccagcac ctaccttggc 360
aggaagattg tcgagcttgc agagaaggat agagaccttg aagcttacag agcccgacag 420
gaggaggtag ctacttactg ggaagacgtc gataatgagc gtatcaagcc aattttggat 480
acctttcctg aagatctccg caaattagtg gaaaaggctc tatactttga cgaagagagg 540
gctccagaag acgaggatgc tactcagaaa aaagaaccgc agcaaacatc ctccaaaggc 600
aaccctgcag attcggaaca gaccgcncna gatctaacca cagatgcatc gtacgaagaa 660
gatgcgcgca aaacgcgaat ctccgaaggc ggctag 696

<210> 20790
<211> 2172
<212> DNA
<213> A.fumigatus

<400> 20790
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ccggacaacc taattttcca cctcaagcgc tttgactttg acatgatcac aatgatgcgg 120
agcaaaatca atgatgaatt ccgctttcct gagcacattg atatgagtcc attcaaagtt 180
gaatatcttt ctgaccagaa ctcaaatgtc ccagaggacg tcttcaagct cgtcggggtc 240
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aacgctggag gaagaggctc ttgggtggag ttcaacgatt cggacgtaag caggttcgac 360
ccatccaaga ttgcagatca gtgttttggt ggttataacg actcggtcca ccctgccaac 420
gtaaaccaag tgcgtttcaa caaggtctgg aacgcttaca tgctctttta ccaacgcatc 480
tccagtatgg agtcggaaaa attgctatac aagccttcca aggccgacca tccagtgcat 540
gtgtccttac cgattccgct atcaaaccac attgcgatgg agaatgagat ctttatacga 600
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catgataacg gaatcacgaa caagagacct aaactggatc aagacatggt cttcattgct 720
ttagataccc tagaacaact gatcgcgaga accagggagc ctctgggtct cgatgtcctc 780
gtctcagagc ttgtgggagt gatcaatgag ttgccaaaag gagctcacag agtgctcgag 840
tgggtggtgg agcgatcagc aggtattcgc aatctggtac tgagaagtcc tcatgcgtct 900
gtccgagaca gtacgatcaa ggtcattatg cgcgctcttg aaaggcttca agagctccgg 960
gacgaggcac atctcgatga acgtgcgaag gagaaatggc acatgcgata ccttgatgga 1020
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attgagtcat tcaacgatag tggcggtaga gagcatctcg cattctttac aagcttactg 1740
acaagccgaa acgaacgcct tggtcttgaa aaaaattggt ttctggcgca gattgtggac 1800
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agaaagactt tcttgactgg gtctgtcaac aatgtcgaag caagggtgat cgagagtgtc 2040
aaagccgtca tagatcattg tttggttacg tacttcgatg acagcgaaga ggaccaagag 2100
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<210> 20791
<211> 597
<212> DNA
<213> A.fumigatus

<400> 20791
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gaccgcctgc aagccacact agacaagtac gtcggcacca acaatttcta caactacacc 180
atccagaaga cgtacaccga cccctccgcc aaacggttca tcaagtcctt caaggtcgac 240
cgcaacccga tcatcatcaa tggcaccgag tggctcagcc tcaaagtcca cggccaaagc 300
ttcatgatgc accagatccg caagatggtc gccatggcga caatgctcgt ccgagccggg 360

tgcgaccccc agcgcatcgt ggactcttac ggacccacga agatcgccat ccccaaggcg 420
ccgggactgg gactgctgct cgaacggccc atcttcgacg ggtacaacaa gagggcaacc 480
accacgctgg gcaaggaacc catcgatttc agcaagtatc agaaggaaat cgacgagttc 540
aagcagcgcg agatctatga tcggatcttc cgcgaggaag agcaagcgaa tgcgtaa 597

<210> 20792
<211> 2841
<212> DNA
<213> A.fumigatus

<400> 20792
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tgtttggagg aatttcttat caactttact ttgcttggct ttcgtctggt gcggttggat 120
atactaacct tgaagcaact ggagaagaac acagacatgc aggctgtgga tcttatgtca 180
agggcgtact tgcaagcgtt gggttggata ttacaattac acggcattcc cttctatcgc 240
gccatggaac gcgcccacgg ttccgagatt gttgatcttg tcgttcagct caatagtcga 300
gttgcgttcc ttccgatcgg cacgatgcac ctgctatctg agtatgctgc ttgcctcctg 360
gctcttgttt ctagacccca atggtcgcaa ctctcctcgt ccttggtgca caccctcacc 420
atcgtgcata acatcatgga ctccggagtc gaacaatgga agatccgcga ggaggaaagt 480
atcgctgaat ctgcgtcttt ccctttttta ctgaagcagg tctatcaatt cgctcgggat 540
atcgatggac aatatcaggc tcacatcgcc aaaaaattgc cctgggtcac aagcgatgcg 600
agtgagtcga tccttcggtg catctccggt atctatcttg ccgtcagccg cgattcgagt 660
ttcacatcgc aggtcgccga agacctcttg atcgaactcc ctgagcagag ctcccaagat 720
gagcgtgcct ggataattta ttatgcttgg aggtttgccg tactacagaa gcatatcaag 780
gatggccgca tggaactgag agttcatggc atagaaacca tgcaagcgga tctcgtcaac 840
gtatggcggc aatatatcca acccaatccc acaggaaccg agcacccgct tgtccggttc 900
ctcgtcggct tcctgaggga gaataagatt gtcgattaca ttgtcggcgt cgattcacat 960
cctcaactca ttagtagaag tggaaatgtt gtcggcttcc tgatagtcac ctctacttac 1020
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gccacagatt ttaatctttc ggccctggtc attgccgaaa tggttcacac agtggacttg 1620
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caagagtacc ttccaaagtt gtctcctaat gactactctc ccgagttgct cgcgttcgca 1920
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gtcgtctcaa ttcctgggct ggaccgtatc tggaatttca ttctcaccgc tccacccggc 2040
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gaacaactca agtctgctgc ggctcatttg aagccagcca ttggcagtgt cgccaatggt 2220
actgacgagt caatggcaag cgacctcagc agaggtgaaa gtcgagctga cgcactacgc 2280
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attgaaattc ggtatcagac gtttaacgga agttctcaaa gtaaatttcg atcgttacga 2460
attggagacc ttgctacggc agctgagtta gttgagaaac tcgaacagct cacggggttc 2520
tcgaagttta gtaccataac aggtggccgg cggctggatc ttttggaaaa acctaatctc 2580
acaatacgcg acctgaagat cggatctggg ctgctcctaa tccggaagaa tgctgacagc 2640
cgcgaggtgg cctcgactgg tagacgtccg tcacttactc cggtagattc tgaggtactc 2700

aagcattttg atgacctgta cgaccttctc aatcttcagg actaccttgc tcgagaggtg 2760
agtttttttg gtgggggggg ggccctcgcg tgtgtttcat tgaagatctg gttacttact 2820
tcggctacca cagatctatg a 2841

<210> 20793
<211> 699
<212> DNA
<213> A.fumigatus

<400> 20793
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atactgatca actgttgtga tctggcagat tatacgtact cctccagctg gtgttttgat 120
cggcacaaga tgattcgtgc tcccgaaggc tatgcaggac ttaagaatct ttccaacacc 180
tgctatctga actcccttct aacgcaactg tttatgaacg ttcagttccg cgatttcatg 240
ctgcaactcc acctttcaga tccggatact tcccagaggt tactcgctga aacgaagaag 300
ctctttgctt acatgcaaga aacgtggctc aggaacgttg accctcaagg gctggtaaat 360
aacattcgaa cttatgataa cgaaccaatc gatgtaacga ttcagatgga cgtcgacgaa 420
ttctataacc tgctttttga cagatgggag gcgcagatca ctggtgccga ggacaaaaag 480
aagtttcggt cgttctacgg cggccaactg gtccagcaaa tcaagtcaaa ggaatgccct 540
cacatatccg agcgtctgga gcctttctcc gccattcaat gcgagattaa gggcagggcg 600
agtctcgagg agagtctaca ggcctatgtc gaaggagaga taatgcaggg aggtaaggga 660
cttcgagaga caaagattgc agattggccg tcattctga 699

<210> 20794
<211> 288
<212> DNA
<213> A.fumigatus

<400> 20794
ctgtcatcga ctaacctggc aagtcggcac atggtagaca agagagcgcg caatgagcag 60
caaaacgaag ccaaacggcg caagcttgag aacggtgaag aagtttcgga tcctatttat 120
gcaacgcatt tctcgccgga agatatcgaa aatgagcagc ggcggccgaa gaagaaggtt 180
gctgtattaa tcggatacgc tgggacgggc tatcatggaa tgcaattgta cgagccctgg 240
acacctatgg gactttggac tacgatattg acttgcgccc aggagtga 288

<210> 20795
<211> 267
<212> DNA
<213> A.fumigatus

<400> 20795
tccttcccct tctctgagtc agacgctgac gaagtgaaca ggttctcggt attcttcaac 60
cacatcgatc acttcagtca ggagacattc ctctacatta cgtcgggcgg tatggcagct 120
tctaagctgc ccgcgccacc tactgatgcg acagagtcgg aacagaagga ggccagtaag 180
cgcaacccga agtctcaacg cgaagccctt gctgctgtgg aatccgagtc agatggcgag 240
ggtgtacaag gtgaggaggg tggttga 267

<210> 20796
<211> 702
<212> DNA
<213> A.fumigatus

<400> 20796
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agcacaaggt cgacgtcatc cgcaaccaac aaacacaccc aaccagagcc gccatcgtcg 120
tcccctcgaa aaaacaagaa gccgtccggg gcaacctcca gaccgatgcc tccgcgctgg 180

aaatctccct cacctccacc gaggagaaga gcgccgccga gcaagcagaa gaagccgcgc 240
gcaaggccgc cctcgagaag caaaacgctc ttcccgtctg gcacacccac tcgaccgttt 300
caaccaccgc cggcaacgtc agctacatca agaccgagac agacgtcgcc atcaaacctg 360
aagtcaagga ggaagaagac cgcaaaccca agatcgagga cctggacgac aaggtcgccg 420
catactacgc cgagatggaa cgagagaaag ccctgcaggc acaacgcgac gccagtagcg 480
ccgaggagga cgattcagat gacgaatttg acgaggaatt cgaagacgtc ggaggtatct 540
ccgctagcga caccgcttct ccagccgtca tgggcgggcc taccagtgca cctacctctg 600
cgccagtcgg catcaagcgc gagttcgaca cggattccgg gacgagtgcg cctcagaccg 660
ccgtgggcac gcccaataca cccgccgacg agggaccggt ag 702

<210> 20797
<211> 831
<212> DNA
<213> A.fumigatus

<400> 20797
aatacctcga tctaccactc cccaagggtg agtatttcat tcacttgtct tccaaccatc 60
cccctccctt atccgcgcga caaacagatg ctaactgcag gactaggcga gcgatcgtac 120
tttgctctta cgctggacaa tggccttcat tgtgtcacca ctgcttggct ggaactcggg 180
aaaaccgctc cgatcggaca agaattcgag ctcattgtac aaaatgacct cgagttccag 240
ctgacactcc aaatgaaagt cgacgatgct aaattcaggg ctcaggagcc cgctgccccc 300
gcttcccctg cgaaacagaa ggcatccact ttcagcaggg tttttgcctc accacgcaag 360
cgcaaggaaa tggagatgaa acagcaactt gcctctcagc aacaaaagaa caaggacgta 420
aacgctggcg tctgggataa actgcggaca cttattgctc gtgacggcag ctttggacgg 480
gcctacgttg cgctcagcga tcacgagaaa tatgccttcg gtcggccgta cactgtggat 540
gtggcctgct tcaacgagtg ggcggtcgac gagcaaccaa gcagcgtgaa aagcaaaaag 600
agcacgtcta gtgcaacctc tcaacgtcgt cctccataca agattggcaa attggaactg 660
caactcttgt tcgttcccaa gcccaagggc ggaaaggacg aggatatgcc aaagagtatg 720
aatgcatgca tccgcgagat gcgagaggcg gaggctgctt catcccgcac ctgggaagga 780
ttcctttctc agcagggagg tgattgcccg gtaagtgttc catccgacta g 831

<210> 20798
<211> 369
<212> DNA
<213> A.fumigatus

<400> 20798
catgctgaaa ctgctcaagc agatcgactc ggtcgagatt ccccccaacg acttcgagac 60
ggcatggcag cacaaggtcg acgtcatccg caaccaacaa acacacccaa ccagagccgc 120
catcgtcgtc ccctcgaaaa aacaagaagc cgtccggggc aacctccaga ccgatgcctc 180
cgcgctggaa atctccctca cctccaccga ggagaagagc gccgccgagc aagcagaaga 240
agccgcgcgc aaggccgccc tcgagaagca aaacgctctt cccgtctggc acacccactc 300
gaccgtttca accaccgccg gcaacgtcag ctacatcaag accgagacag acgtcgccat 360
caaacctga 369

<210> 20799
<211> 276
<212> DNA
<213> A.fumigatus

<400> 20799
gtctgtactt atgtggtgcg atttcgacag tactggcgtc gccgcttctt caaacttcaa 60
ggctcgaagc tgacggctta ccatgaaacc acccgccaac cccgcgccac gatcaacctg 120
tcgaaagctg ctaagctgat cgacgacagg tcatctttga tccagaaaga gacaaccact 180
aaaggtgggg ggcgacgcaa gtctgcgttc gctgaagatg aagaaggcta catgtttgtg 240
gaagaaaagc ttccgtatcc gctttggaaa cggtga 276

<210> 20800
<211> 1152
<212> DNA
<213> A.fumigatus

<400> 20800
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gtcaaccgtg aatactacta catcccgtta cacccggtca tcgacgcaat caagttcaag 120
gtctcgaaat taacctcgac aatcaaagct cagtacacgc caagcgagga aaggaaggaa 180
tatgtatgct tgcgttgcgg cgcagaatgg acggagctgg atgttctgag cctgtattcg 240
gacgagggct tcgagtgtca gaactgcgga gccatccttg agcgaacgga ggacgtcaag 300
ggagcagagg gcatcgatcg cacgggacac gagaagaaca gcaagctcat ggcccagctt 360
gataacatgc tgaaactgct caagcagatc gactcggtcg agattccccc caacgacttc 420
gagacggcat ggcagcacaa ggtcgacgtc atccgcaacc aacaaacaca cccaaccaga 480
gccgccatcg tcgtcccctc gaaaaaacaa gaagccgtcc ggggcaacct ccagaccgat 540
gcctccgcgc tggaaatctc cctcacctcc accgaggaga agagcgccgc cgagcaagca 600
gaagaagccg cgcgcaaggc cgccctcgag aagcaaaacg ctcttcccgt ctggcacacc 660
cactcgaccg tttcaaccac cgccggcaac gtcagctaca tcaagaccga gacagacgtc 720
gccatcaaac ctgaagtcaa ggaggaagaa gaccgcaaac ccaagatcga ggacctggac 780
gacaaggtcg ccgcatacta cgccgagatg gaacgagaga aagccctgca ggcacaacgc 840
gacgccagta gcgccgagga ggacgattca gatgacgaat ttgacgagga attcgaagac 900
gtcggaggta tctccgctag cgacaccgct tctccagccg tcatgggcgg gcctaccagt 960
gcacctacct ctgcgccagt cggcatcaag cgcgagttcg acacggattc cgggacgagt 1020
gcgcctcaga ccgccgtggg cacgcccaat acacccgccg acgagggacc ggtagcgaag 1080
aagatcaaaa tggagcctga tgtgaaaaag gaggagtctg atgaggatga cgaagagttt 1140
gaggatgtct ga 1152

<210> 20801
<211> 360
<212> DNA
<213> A.fumigatus

<400> 20801
gaaccacctc ctatgacagt caaagcaggt cacgtgtccg catctcaggc atgggacaag 60
cattccttca accacttcgc cgcatatcac acaaggaagc ttgagaaaca aaggtcgatg 120
gggtttgcag tgctggcagg taacagttac aggacccgtg ttcaggtggt tcctgccgtt 180
ttcctcaaca gcggtaggtg cgaagataga catctgaaga gcttgaccgc atttgatgca 240
gtgccgctga aggccaagtc cctgaccttc cctgtcaacg tctataagtc tatcgtcctt 300
gtggctgcga ctcgaaacga tcaatggcgc atctatgttg ttgtggctcc tttttcgtga 360

<210> 20802
<211> 402
<212> DNA
<213> A.fumigatus

<400> 20802
agaatattgt gttcaaatag cgagtttcta atgcgtatac caggtggcat tttccgtcta 60
gagctctttc tgccggagga ttatcctatg accccgccaa agatccgttt cctgaccaag 120
atctaccatc ccaacattga ccgccttggg cgcatttgct tggatgtttt gaagagtacg 180
tcgttctgtt ttcttaggat gagcgcacaa gctaatagta tttcagacaa ttggtccgct 240
gctctgcaga tccgcacgat tctcctctca atccaggcct tgcttggagc tcctaacccc 300
gatgacccgc tcgccaatga tgttgcacag cgttggaagg aggatgagca agctgcgata 360
caaactgcga aggaatggac gagaattcat gcaatgactt ag 402

<210> 20803

<211> 267
<212> DNA
<213> A.fumigatus

<400> 20803
cgaggccttc tccgcaccgc accacaattg tgtcggcctc acgaacagct cgccgcagcg 60
accgattcga ctttaccacc caacgccaac cgacaaaacc tcgtctcgac cggctgcgca 120
tctccaacat tcaagatgcg tacctacgac gattctttca gcggtcagaa gatctaccct 180
ggaaaggtgc gttttgtccc ttccggaatc atcaatcatc cagcaatttc caccccgatt 240
ctttacgagc gcgacaccga ttcatga 267

<210> 20804
<211> 237
<212> DNA
<213> A.fumigatus

<400> 20804
tcacaggtcg ccatctcgct tacggaacag cctagcgcgc tttgcccaca agagtcgatc 60
gaatcccacc cgctccagag aagccctgaa agagttcaac ctcagtcaac ttaccatctc 120
gatccgacaa gctacacatc accagcagcc atgggtaagg ttcacggatc tctcgcccgt 180
gcgggtaagg tcaagtctgc gactcctaag gtgagttcct cttgttcttc attataa 237

<210> 20805
<211> 831
<212> DNA
<213> A.fumigatus

<400> 20805
ttgaccatga gtccggaccc tcacgctgct gatcgcaaag ctcagaagca gcgtgaaaaa 60
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gacagtttca tcgtccccaa gagtcgtgtt gctcgcgctt tggatacttg tgtcaggtat 180
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<212> DNA
<213> A.fumigatus

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acacccggag gctgcggacg gtatgtctgc tccgactgct ggggtatctg tccggtcgag 420

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ttgcccatga ttgaatgcta a 501

<210> 20807
<211> 189
<212> DNA
<213> A.fumigatus

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atcacttag 189

<210> 20808
<211> 324
<212> DNA
<213> A.fumigatus

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cgcagcatgc gccccgaggc tcgtgccgcc gcccgccagc aggctatcaa ggaggccaag 180
gagaagaagg ccgcttccga gagccgcaag aaggctgaga aggccaagaa cgccgccacc 240
gccgccaagg gcactgctca gcgcatccag agcaagcagg gtgctaaggg ttctgctccc 300
aaggtcgccg ccaagtctcg ttaa 324

<210> 20809
<211> 984
<212> DNA
<213> A.fumigatus

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<210> 20810
<211> 315
<212> DNA
<213> A.fumigatus

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ggctacgaca tggcctccaa ggtcgccaag aacgctcaca agaagggcat caccttaag 180
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<210> 20811
<211> 1065
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (38)
<223> Identity of nucleotide sequences at the above locations are unknown.

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aacgccaacg aggttatctc gaaccgtgcc attgagatcc ttggcggtac catgggcacc 180
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<210> 20812
<211> 3396
<212> DNA
<213> A.fumigatus

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<210> 20813
<211> 732
<212> DNA
<213> A.fumigatus

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<210> 20814
<211> 3555
<212> DNA
<213> A.fumigatus

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<210> 20815
<211> 3966
<212> DNA
<213> A.fumigatus

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<210> 20816
<211> 405
<212> DNA
<213> A.fumigatus

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agccgtgcgc cgatcaccgc gaaattgatg gcgaacatgc tccaaaccgc tggttgcaac 240
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gataacttgt atgccgagcc tagcatgttg aagtggatcc gggaacactt ggatgtgaag 360
aattgcgtca tcgtcagtcc cgatgccggt ggtgcgaagc ggtaa 405

<210> 20817
<211> 441
<212> DNA

<213> A.fumigatus

<400> 20817
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aacacagtgc cccacaagga gaagaaggag ctttgtgaca agattgacac cattgatatc 360
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<210> 20818
<211> 1527
<212> DNA
<213> A.fumigatus

<400> 20818
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<210> 20819
<211> 393
<212> DNA
<213> A.fumigatus

<400> 20819
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gactggaaag ccaataccga gtaccataat tattctgcct cgtcaccgca aatccagtgg 180
ttctggcgtg ctgtccgctc gtttgacaag gaggagcgtg ccaaactctt gcagtttgtt 240
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tgcttcaacc gtaagtcttc gctacgagat tga 393

<210> 20820
<211> 189
<212> DNA
<213> A.fumigatus

<400> 20820
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tcctcttatc tgggccttat cggccgctat tatcaggcga atggcgtagc tctcatatat 180
tctttctga 189

<210> 20821
<211> 912
<212> DNA
<213> A.fumigatus

<400> 20821
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cggatcgatt ag 912

<210> 20822
<211> 231
<212> DNA
<213> A.fumigatus

<400> 20822
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ttgcttaacc ataacgaaga ggcgctgcaa acttcgcttc tccccaagtc tgacagctat 180
gctgcgactc cgagtgagaa tgacgagaat tcgacacaca gaaagagcta g 231

<210> 20823
<211> 333
<212> DNA
<213> A.fumigatus

<400> 20823
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ggaatgctgt cagcaatttg cacaattcct atggcgacca gatcactgac catcgtcatc 180
attcagatca tcatcgacca tatcatcatg agcatcgccg agactatcgc cctgaagatc 240
ctcgacacct cccgcggctt cattcaagac acggaacaag tcgtcaaaac gctggttatc 300
accgcgacga tctgcttgcc gaatgtcggc tag 333

<210> 20824
<211> 288
<212> DNA
<213> A.fumigatus

<400> 20824
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cgaagcaaga gaacaggcta cattcacaag cggatcgccg aatctttgct tcgtccatcc 180
tatgaaaccc aagccacctc cgcagaacac tgtcaggaca acggcatggc caaccgcgcg 240
catacccagc gtatcctgga agaacatgct aacacacatg ctcgttag 288

<210> 20825
<211> 300
<212> DNA
<213> A.fumigatus

<400> 20825
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tataaaattg ttgtgaaggt gttcggtctt ctggtcggcg caaattatgt gatcaacgcg 120
cgacgcgagc tcattttgat tgagatgtcc tgccacaaaa tcggtcgtca gctccatggc 180
gagcaaaaga ggcgaagtaa agcaagcagg aagcaggcgc acatacccag aaggaataga 240
gtcgtagatt ctttgtactc agcccagttt tcaccgatag cagcttttag ttccgtgtag 300

<210> 20826
<211> 1542
<212> DNA
<213> A.fumigatus

<400> 20826
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cgcccccgcc ttgggtcgta tgactctgag gagaggacga aaatccggca ggcccttact 660
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<210> 20827
<211> 183
<212> DNA
<213> A.fumigatus

<400> 20827
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tga 183

<210> 20828
<211> 834
<212> DNA
<213> A.fumigatus

<400> 20828
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<210> 20829
<211> 306
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (257)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20829
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aagcgccagg gcccggcagc agatgccttt gacgctttga acttgaatcc gcttgatctt 240
tacaaggttc gcttganaat cagaacacaa tactctcgct ctcattcgaa tgcaaaatcg 300
cagtag 306

<210> 20830
<211> 237
<212> DNA
<213> A.fumigatus

<400> 20830
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gcaatgggcc gcataaagca tagaagcgca accggcctac gacccgtcaa ccagcgaaag 120
attgcaaagg ctattcggag agcaatcgga atcggcctca tgccaagtgt ccacagacat 180
cccgagattc tggcagcgga agcgaaagcg aggatggagg gaacccccat ctactag 237

<210> 20831
<211> 1329
<212> DNA
<213> A.fumigatus

<400> 20831
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gaaagatctg gctctacgac gggaagactg gcgaacctaa aggtcatatt ggagaaggag 180
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ttggaatag 1329

<210> 20832
<211> 1404
<212> DNA
<213> A.fumigatus

<400> 20832
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<211> 1131
<212> DNA
<213> A.fumigatus

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<211> 255
<212> DNA
<213> A.fumigatus

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caggcttctc agctgacaac agacgaagat tatgccttgc tctatgccta cagtaagttg 180
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attgatctga cgtga 255

<210> 20835
<211> 213

<212> DNA
<213> A.fumigatus

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<210> 20836
<211> 519
<212> DNA
<213> A.fumigatus

<400> 20836
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<210> 20837
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<212> DNA
<213> A.fumigatus

<400> 20837
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<210> 20838
<211> 678
<212> DNA
<213> A.fumigatus

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gtcaccgcca agcgctga 678

<210> 20839
<211> 309
<212> DNA
<213> A.fumigatus

<400> 20839
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atgattggcg gtcgagtcat cctagccctt ggagacatcg caacacagat cgcccagtat 180
aagatgttct cttcatggtt ccccccaagc aatggatttg cttccacact tggctttgag 240
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<210> 20840
<211> 993
<212> DNA
<213> A.fumigatus

<400> 20840
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<210> 20841
<211> 471
<212> DNA
<213> A.fumigatus

<400> 20841
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gtcccgcacc tctggttgag tcttttccgt attgactctg gcaggtttct ttctggtccc 420
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<210> 20842
<211> 255
<212> DNA
<213> A.fumigatus

<400> 20842
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cagataaccg actaa 255

<210> 20843
<211> 213
<212> DNA
<213> A.fumigatus

<400> 20843
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gtgcaacgat ccgaaaagac ccattctcga aggtcgttgg atgggcggag ggctcatctc 180
cgaagcctcg agctctaccg gaggcttgac taa 213

<210> 20844
<211> 834
<212> DNA
<213> A.fumigatus

<400> 20844
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<210> 20845
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<212> DNA
<213> A.fumigatus

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<210> 20846
<211> 2031
<212> DNA
<213> A.fumigatus

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<210> 20847
<211> 249
<212> DNA
<213> A.fumigatus

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tcatctaatt cagtgccaga tattgccagc tgccccagcg tccgggtctc cttcatcggc 180
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ccacattga 249

<210> 20848
<211> 399
<212> DNA
<213> A.fumigatus

<400> 20848
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<210> 20849
<211> 870
<212> DNA
<213> A.fumigatus

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<210> 20850
<211> 843
<212> DNA
<213> A.fumigatus

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<210> 20859
<211> 345
<212> DNA
<213> A.fumigatus

<400> 20859
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gtcggtctaa aggttcgaac agacttcaga tttacttgct ttcattcaca gggagcagct 180
gatatgctaa acgtttattt tctgcaacct ctagcgaaac gccgaagaac tatcatccta 240
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<210> 20860
<211> 1023
<212> DNA
<213> A.fumigatus

<400> 20860
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cgagaacctt tggttgtcat agctatagcg gatggagccg agttacctga agaaaatgag 180
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attccccgac ctgaagcgtc caaggcgacg acgataaaaa ctgcgttgtg cgacatcacg 420
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tag 1023

<210> 20861
<211> 639
<212> DNA
<213> A.fumigatus

<400> 20861
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cagtgcctta gctccagaat gacttacggc cgcccactgc cagtggatcg tatcgtcact 180
cagattggcg accgcgccca gaccaacact cagcaatatg gcaagcgacc atacggtgtt 240
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tctgtcggag tggtgggact tgccggagaa ggggctcagg gcaagatcga gacgttcaag 540
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gagacgaaag aagaggagtc gatggaggtt gattcatag 639

<210> 20862
<211> 1182
<212> DNA
<213> A.fumigatus

<400> 20862
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accactactg ataagcatta tcctcaccaa caacaacatc gggatgcccg tcatacccgg 180
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<210> 20863
<211> 579
<212> DNA
<213> A.fumigatus

<400> 20863
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accgggggct tagggatgtt gccccagagt gttggcttcg ccacggcgat cctcgggatc 180
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tccatcattg ttgtcctgtt cctgcaagtc agcgctcgaa cattcacact cccgacatcc 420
attatccttc tgaacaactg ctcaccgcac ccttcagtgc tcggtacgat tcacggtatc 480
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ggttatggtc tggagatcgg catggtcggc tttgcctga 579

<210> 20864
<211> 189
<212> DNA
<213> A.fumigatus

<400> 20864
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gcgggcggag gactcacggc cttcgtccag gagcgtggca agttcgcggc gctggatgac 120
ggacgaggcg gtgtcctttc tctggagaag gcggaggcgc ggaatgagga ggcggagggt 180
ggaggttag 189

<210> 20865
<211> 549
<212> DNA
<213> A.fumigatus

<400> 20865
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acctcccgca acccttctcg caccccggag ctggtcgccg agattgaaag ccgaggggc 180
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aacatgagca gcggggcctc cctcgacggg attcctacaa tgggcgtcta cgcgggtgct 480
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accgcatag 549

<210> 20866
<211> 537
<212> DNA
<213> A.fumigatus

<400> 20866
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cactgcgtcc tggagatgcc atcgggcaca ggaaagaccg tttcgctact gtcgttgatc 180
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tccgaaattg aaaaggcgct ggctgagttg aaggagctga tgaagtttcg ttcccagcag 300
ctgggatata cggaagattt tcgagcttta ggtcttacca gtcgaaaaaa tttgtgcctg 360
catccgtcgg tgaaacgaga gaaaagtggc actgtcgtgg acgcgaggtg cagaagtttg 420
acggccggtt ttgttaaaga aaagaaggag agaggcgaag atgtcgagct atgcatctat 480
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<210> 20867
<211> 219
<212> DNA
<213> A.fumigatus

<400> 20867
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cttttgaaat acggagagga acacaagcaa tgtccttatt tttccgcccg gcgcatggta 120
atatactgtt tgaagtcctt gtcggtgtgt gctaacacag gttcagatgc cttattgcaa 180
cgtcattatc tattcctatc attacctcct cgatcctaa 219

<210> 20868
<211> 456
<212> DNA
<213> A.fumigatus

<400> 20868
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cccgtcaaga gctacccccg gctgttcggc cccaattctt cctttggagg tgcttccggt 180
gtccagtggc tcatgaaatt cccctatgcg ttgcccatgc tggccaacgc cgttttcctg 240
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<210> 20869
<211> 1827
<212> DNA
<213> A.fumigatus

<400> 20869
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<210> 20870
<211> 498
<212> DNA

<213> A.fumigatus

<400> 20870
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cgagcggcct cttcgaccag aggcaggagg aggagcttgg gggtggagat gtcatactgc 180
agctgcacaa cgcatgatgt gcctttgctg gggttgaact tgaactgtgt gacttcgcca 240
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gcaacgatcc gcgcttag 498

<210> 20871
<211> 408
<212> DNA
<213> A.fumigatus

<400> 20871
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cagatggggt atgtatcatt atctcccgat atagctcgca cctttgttga cgattgccag 360
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<210> 20872
<211> 423
<212> DNA
<213> A.fumigatus

<400> 20872
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gcgggaagcg cggccacgcg tagaagatca cggcggcggc ttcgtcgagc gctgcgtcaa 120
tgtagctcgg ggtctgctcc tcgtcgttct cgtcggcggc ttcctccgcc tcggtcttgc 180
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tga 423

<210> 20873
<211> 453
<212> DNA
<213> A.fumigatus

<400> 20873
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cgcatagctc tcaccaaaat tcttgccaaa gaggttgccc ccttcaacat ccgcacccta 120
accgtcgtgc tggggacgtt caataccaac atgatcaact ccatcgtcct tggcaagact 180
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<210> 20874
<211> 861
<212> DNA
<213> A.fumigatus

<400> 20874
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gacatggtcc ggcagcagga tgctgtagaa gatgatgaag atgaagacga aagtggcgag 120
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<210> 20875
<211> 549
<212> DNA
<213> A.fumigatus

<400> 20875
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<210> 20876
<211> 429
<212> DNA
<213> A.fumigatus

<400> 20876
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ataaaagcat tagatgagat taaagattat gtattgaccg tcgaaagtcg tgatgccact 300
ctggatgacg ggtttttgga tgcttgggta tgtctacaag cttatctagc agataggaat 360
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gtagggtaa 429

<210> 20877

<211> 768
<212> DNA
<213> A.fumigatus

<400> 20877
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gcattgcact ccccgacata ccacctccac cctgttgatc tccgaacact cgcagcatca 360
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ccctgtccgc tacagggtgt cgacccgaca ctccccacgt tactcatctc agaatgctgc 480
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tttggacgaa ccatggtcgc caaccttgcg acgcgcggga tccagctgca gacactgcat 660
gagtatgcgt cgctcgaggc tcagcggaga cggttacggg agcccgggct tcatacggga 720
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<210> 20878
<211> 192
<212> DNA
<213> A.fumigatus

<400> 20878
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gtcaacgtcc agctgcaccc atctgccccc tcggctttca atctcggcga ccagctccgg 120
ggtgcgagaa gggttgcggg aggtagctat gaccctgtgc ccgccggcca gggcggtgcg 180
tgtgagggat ag 192

<210> 20879
<211> 1248
<212> DNA
<213> A.fumigatus

<400> 20879
gaagatacga acactaacac agcatccaag accagactaa cctccaccct ccgcctcctc 60
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gaacttgcca cgctcctgga cgaaggccgt gagtcctccg cccgcatccg cgtcgagaat 180
gtcatcgcaa ccgacatcgc cgtcgaggtc atggagatgg tcgagctata ctgcgagctg 240
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cggagtcgcg ccaaggaggc cctgaaagcg gagatgggag cgcagaagca cgggcacggt 360
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gggttttcat tttgggcagg gggtgggtcg aagaagcaga caccaaacat ctcggaaagt 480
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cagaccccga gctacattga cgcagcgctc gacgaagccg ccgccgtgat cttctacgcg 600
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ccgcggtcag ataaccccaa tccacgtgtc aaggttcccg gcagtgagat ccagtccgag 1140
acgcaggtgg aggagcctcc cagggcgcgg aacggtaatg cgggtggttc gggggggata 1200

ccggaattgg atgagctggc tcgacggttt gctgcattgc ggcggtga 1248

<210> 20880
<211> 531
<212> DNA
<213> A.fumigatus

<400> 20880
aagatgatga agatgaagac gaaagtggcg aggaccgtcg ccaggattct gacgtcgaca 60
tggacgactc cgacgaagaa acagacgagg agacgaaaga caccaaattg cgcgaggagg 120
acattaaggg caaatatggc gaagtcacac agttcaagtt caaccccagc aaaggcacat 180
catgcgttgt gcagctgcag tatgacatct ccacccccaa gctcctcctc ctgcctctgg 240
tcgaagaggc cgctcgcagc gccgtcatcc agtctatccc tggcctcggc aactgcacgt 300
atgtggaggc ggacccagtc aagggcgagc ctgcacatgt catcaccgag ggtgtcaacc 360
tgcttgccat gcgcgattac caggatatca tcaagcctca ctccatctac accaactcga 420
tccatcatat gctcatgctc tacggtgtcg aggccgcgcg cgcatctatc gtgcgagaaa 480
tgtccgacgt tttccagggc cacagtatct ccgtcgacaa ccgccatctg a 531

<210> 20881
<211> 531
<212> DNA
<213> A.fumigatus

<400> 20881
gaatttgatg ttgattgtat ttcgcagatc aagatttatc cacgggcctc gattgacctt 60
tcccgtaggg taaggcagac agctcattca gctcaaggat ccattgcctc tgttgttggc 120
aaaaggatag ccccgtattt gcctaaggta attggggcat ggcttgcagg attctacgat 180
aatgaccgac ccgtgcatcg agctgcccta gagtcgttca tgctggtgtt cacaaccgaa 240
gagaaaagaa acggagtatg gaaagtctac cagagctcaa ttctcgactt tgtagatgat 300
gttattctgc aacaaactcc tcaaactctc agtgatgaaa ggacagtgaa gcctgatgat 360
gcggaggcaa agtatgctcg tgtagtgggg acagctctcc tgctattgaa tcgagtcata 420
ggtgtgtata tcatttccca aaattgttca ccagttctga ctttattcag caaattcaac 480
tcacgaagac ctccaaaagg atctggccac ggtagagaat ctactgaata g 531

<210> 20882
<211> 1491
<212> DNA
<213> A.fumigatus

<400> 20882
atgtttgctg gaagtaactt cagcacgacc gcaattgtgg gcggaagatt actccggaaa 60
gactacgtct tccaagagac tccttcaata catccagaaa ggctcccagg gaggcgtggc 120
ctccttttgg tcaatcttcg ccaactactg cagattatac ctgtgaaagt gctggcgaaa 180
actgatccgc aggcatctac ttgccgcatg attgggctat ctagtgcaac tttgttgacg 240
gaagcgtttc aacttggagt gaattcaaga gaagagccgc ggcaaaatca agctctgggt 300
tggaagtctt acattgagac aggcatttgg ctaactagtt ccctacccga cagcgatagg 360
gacgcttttc tacacacaag gctatctcct ctagttaccc agtacgtgag agctgagcaa 420
aatgcgccgc aatggacgct cccgaatcag aatgccgtag ctctctgcac agagtattct 480
gtcgcgttag ctaatggcaa ttacgggagc gaattccagc ggctgtggac cgatttagcg 540
gatggtctgc tcaaatccgt caaactatct gctccagagc agtcaaagga attcagatcg 600
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gcggcacttc agaaccagac atcgcacggc gaactaacag actcgatttt tttgattatc 1200
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gctggaaggc ttctgtttct ggcagaaact tctgacgagg aagtggccag ccttgcagag 1380
tcagtgctaa cagaattcaa agagattgga gtcggtgaga cgagcgccaa gtcgagtttc 1440
gagctcttgc aatacaattt cgatcacgtc aatgaggaat ccctttcgta a 1491

<210> 20883
<211> 1422
<212> DNA
<213> A.fumigatus

<400> 20883
catctttcaa ggattgggtc cctgctaagc atagcagaag acttactcgg tgccgctgac 60
ccggaggccc gggcctccat cgctaaagat atcttgccct ctcgtcaaac gtgggagacg 120
gccttgcggc cattcctgga gcttcctcct cgcccatcga cagctatcac aagtccgctt 180
ggcgggactg ttcatttagt aaaccctgag atatcagata cacttaagga acagtaccac 240
actattcctc gtgattccag tgggtgttcg tccgcgtttc gactcgcata tttcaccatt 300
cgtgttcttt catcgttcga tataatgggc aatttgtcgg cagaggagca ggagacgctg 360
tttcactaca tacccttagc tgtacagctg attgacgacg atttgagcat tgaaaattgc 420
aacggtatta ctggattaac acactcggac caacgagaag aatacttgga gattgtttac 480
gatggccgca aagtgatgaa ccagtggacg ggttcagacg gccgtcagtc tgaagcgaat 540
gcgacagtcg ccttaagaac cctgtccttc tggcagaaca aactcgaagc tctaaacaat 600
acctctccga cggactatcg aattggagaa gcctttgtca ggctgatgaa cagcctcgac 660
tctgctaaca agagtaaatc cacagaggat atcactaaca tctgtaggga aatgcgaagc 720
gcgaatgcga ttcgatcggc atcctgggtg gcagtcttac gggaatccat tctaggaaat 780
ccgacgggca accggctgtg caatgaactg gtcgcagact ctacgggctt gaagcctcaa 840
gatgagaaga aggaaggtag gttgccaata ggatcatccc ttggcgactc tactgatgcg 900
cttcaaggtc tccgaaaact gtctttgctt aatcttcttc ttgcgggggа aataaacgtg 960
gcgtcaacca ttccgactca gcgtctagtc ttccttgtca agcatctcat acaatgtctc 1020
cagtccaagg acttgccgct caatattcaa gccgagatca tgcataccct gacctttgtc 1080
cttccttacc tgaatgagat atatgggtct cattgggaag actgcatgga agctctcagc 1140
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agacttttcg caagcctgag gtcaatcgtt gctgaagaag acagcaatga tgatgtcaaa 1260
gacgcctggt cagaacgcaa gacagtcctt tttaacggct tagcctcaac ccttacaaaa 1320
ttcggtgagc tagaatgcat ccctcgcatt gagatgtgca acggactgat tttgagcaga 1380
ctacaccatt gctttccatc agccccgaga tgttaccgtt ga 1422

<210> 20884
<211> 291
<212> DNA
<213> A.fumigatus

<400> 20884
ccactttgtc aacgcggtat gcctcaacac gctttcgagt acacaatcaa gcagttgcta 60
atcttcatac aaaagtctct cccggttcag gagcaatatg ttgcaagtat caaggacagc 120
gatagccttg gtccattgct agagttcatg tttgatttcc ttcagcagcc caacaataaa 180
ctggtggatg cttcgaagtt tgacattcgc tcttttgaac ctgatcaatc cgagactcaa 240
gagaaagagg cccccaatgg cttttggtcc acctatactt tttgtgtctg a 291

<210> 20885
<211> 528
<212> DNA

<213> A.fumigatus

<400> 20885
tctgagatct cgcctttgat catcgaagac tcactcaagg gggtgaataa gtggatgacc 60
acgcaggatc ccaacgaaga gcgcgcgctt tcagtgaaga tctctcccaa gaccgcggag 120
atcatcgcga gcatccctgt tgatgaagag tcgcccccag ttgcgctgtc gatctccctt 180
cctccagcgt atccactcca gcctgccctc gtcgtggggc ggagccgagt gctggtcgac 240
gagaggaagt ggaagagctg gctgctcacc attcagggtg tgatcatgtt ctccaacggc 300
aatcttgtgg acggactgat ggccttccgc aagaacgtgc agggcgcttt gaagggccag 360
agcgaatgtg ccatctgtta ctcggtgatc tcgacggaca tgcagacgcc gaataagcga 420
tgcgccactt gcaagaacac cttccattcg gtgtgtctct tccgctggtt caagagcagc 480
aaccagagta cctgccctct gtgccgcaac aactttgtat atgtatag 528

<210> 20886
<211> 417
<212> DNA
<213> A.fumigatus

<400> 20886
gggagagacc tagggacaac tgtcgtcagg atgagattcg acatgatttc cggcgcctct 60
gcgctgctgt ggttcgtcgc cagtgttgag gcatccaagc atgcgcatcg acaccaaatg 120
agaaatgaac acagtgccgt gcactccgtt gcagaagttg gagcgccatt ggagaagaga 180
ggagggaaat gccagttccc caccgatgcc ggcctagtcg ctgtgactcc gaacatgaag 240
aacgccggat gggcgatgag ccccgatcag gcctgcgagc ctggcaatta ctgcccgtac 300
gcttgtcccc caggccaggt atccatgcag tgggaccccg aagcgacctc gtattcgtac 360
cccaagtcca tggtgagttt tccattgggt ggtttcattc caacgggacg atcctga 417

<210> 20887
<211> 237
<212> DNA
<213> A.fumigatus

<400> 20887
aatggcggtc tctattgcga caagaacggt cagatcaaga agccgttccc cgataagccg 60
tattgccagg acggcacggg tgccgtgggc gcgaagaata agtgcagcaa gcaggttgcg 120
atctgccaga ctgtgctgcc tggaaacgag gccatgttga ttcccacgct ggtcgaggac 180
acagctactc ttgccgtgcc tgacctcagc tactggtgtg aaaccgccgc tcagtaa 237

<210> 20888
<211> 897
<212> DNA
<213> A.fumigatus

<400> 20888
gtgcatccgg tgaggatact cttatctcat ctcgtattga ccgttgtcag cttctatatc 60
aaccctcccg gctatgacac cgagaccgct tgtgtctggg gtacttctgc caaacccatc 120
ggtaactggt caccttatgt tgccggcgca aacaccgacg gagacggcaa cacgttcgtg 180
aagattggat ggaaccccat ctatctggag cccaccacgc ccttccgcga cgtcgtccca 240
gactttggta ttgagatcga gtgcgagggc gatggctgca acggccttcc atgcaagatc 300
gaccccgcgg tgaacgcggt caacgagatg atcgggagca cctccgttgg agccggaggc 360
gccaccttct gtgtggtgac ggtccccaag ggcgaaaagg ccaacgttgt ggtctttgaa 420
aagtccggcg gcggcagcgg cagcagcggt ggtgatgacg attcccactc cacaaccgcg 480
gcaccctcta agcccagctc caccaccaga acaacctcgt ccagcataga gtcctccagc 540
acgtcgactt ctgcttcgtc atcctcatcg aaacccactg acacagactc gagctcgagc 600
agcgccacgg tcacgccctc cgccagcagc gaccccagct catcggccaa ggcatccagc 660
gccggacagg cttccgaatc ggggacattc tcgtacacgt acaagcctca tgtgttcgtc 720

gagcagtcgg tctcagtgca ggccatggcg gacgaaacgg ctggtccggc acaagccacg 780
gccactccca cccctgcctc caaggagaag gagaaggagg gcagtgccgc cgatgttgcc 840
gtctccgtgc tgactctggg catgggcgcc gttgcggcca tcatgatcaa cctgtag 897

<210> 20889
<211> 390
<212> DNA
<213> A.fumigatus

<400> 20889
gcgcggggct tgcctggccg gaattcacaa tttcaccttt ggggcggggg agtgattcct 60
tttgcaagag ggattggaaa ggacccagcg gggtttcgga taggcggttc aagggaccct 120
tgtttgatac ggggttggtt gggggttccg ccccgatccc ttggtgaggt ttgggtggca 180
aaaaccttcc ccttcaacgg gccccggcag gccccggggg gttttgaggg ggggccccgg 240
acacctttct ccggagacgc gggggggcca ccgggggacg gccggtcccc tggggatctc 300
cacctccatg gactctcgcc agttggcccg gccgagatgg cccgcgggga ccccggggcg 360
ccgccgccgc ctggtgacga agggcagtga 390

<210> 20890
<211> 408
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (343)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20890
ccagttggcg ggagcccctt gggcaggccg gccgccggca ggcaagggcg cgcgccatgg 60
acagacgctg gccgagcgac acactcgcag ggcaccgggg gtgacccctt tggccggggc 120
ccccccctggg accgacaccg ggtcgagaaa cacccagacg gacacgggaa gcgcccacag 180
gtgaccaatt gggccgggcg cgccccccct tgttcggccc ggaaaacccc ccgccctcct 240
cggggacact tgcagcgaac acccccttgg gccgttccgc ctcaacggga ttccggatat 300
ggcccgcccg gggggttccc tcccgtgggg gaatccccaa acnccccccc atcctcccca 360
ttttttttttt gttgcaattt gccccccctt ctcccccccg aagttctg 408

<210> 20891
<211> 402
<212> DNA
<213> A.fumigatus

<400> 20891
tacggggttg gttgggggtt ccgccccgat cccttggtga ggtttgggtg gcaaaaacct 60
tccccttcaa cgggccccgg caggccccgg ggggttttga gggggggccc cggacacctt 120
tctccggaga cgcgggggggg ccaccgggggg acggccggtc ccctggggat ctccacctcc 180
atggactctc gccagttggc ccggccgaga tggcccgcgg ggaccccggg gcgccgccgc 240
cgcctggtga cgaagggcag tgaccagttg gctggggcac atggccgcac gggcggcgcg 300
cggtctgccg gcgcaggtgg gcctcccccc ggaacgacgt tcggacccgg gaacgtttgc 360
gcgcacgatg atgggccggg cgaggtcggt gggtatgtgt ag 402

<210> 20892
<211> 588
<212> DNA
<213> A.fumigatus

<400> 20892
gcgcgcgccc tcgaggcgag cagagagtcg cgcgcgcgag ggcgacgaag ggagggcgag 60
gagggcgagg agggggaggc gcgcaggcga gcgcgcggcg gccagttggc tggccgagtt 120
ggcgcggcgg ggggcgccgc gcgggcgggc ggcagggtga ccagttggcg ggagcccctt 180
gggcaggccg gccgccggca ggcaagggcg cgcgccatgg acagacgctg gccgagcgac 240
acactcgcag gcaccggggg tgaccagttg gccggcgcgc gccagggacc gacaccgggt 300
cgagagacac ccagacggac acgggaggcg ccagaggtga ccagttggcc ggcgcgcgcg 360
cgcccttgtc ggcaccggag agccgcgcgc cgtctacggg gacacttgca gcgacacgca 420
catggccgtc ggcctcgacg gatgccggca tggcccgccg gcggcatcca tccgtgggga 480
tacgcagaca cccacccatc catccatata tatatgtgca tatgcacccg catccccccc 540
cgacatctgc acggaggtag gtcggcatgg cccaccggtg ccatctag 588

<210> 20893
<211> 450
<212> DNA
<213> A.fumigatus

<400> 20893
ccagctagcg agctaccgat ccatccatcg cgatacacgg acagacacac agaccccgcg 60
gccgatatag gccgggcgcg cgcgccctgc cgcagcgagc gatgggccgc gcgcgcggag 120
gggaccggtg ggcaggcggg cgcaggcttc gagggccgac cggccctgcg cgcgcgagac 180
ggcgcgagtg accaagtccc cttgcggccc aagcaacggg cgaacctgag aggcccactt 240
tgtatgggcg cgcgggccaa cgcacggacc accccataca gaatgggccc cccgccagcc 300
agatccggac ccgggaacgt ttgcacgcac gatcatggcc cggtcgaggt cggtggttct 360
atgtggaagg cgagagccgc gtcacctctg gtggcgtgcg agctctgcgc cggccacttc 420
ttccctgcca ggcaggccgc ctctctgtga 450

<210> 20894
<211> 450
<212> DNA
<213> A.fumigatus

<400> 20894
tgggccgggc gaggtcggtg ggtatgtgta ggagaagggc cgccggcggc gcgcgcgagg 60
gtcccggttg aggggagtcg gttgaggggg gctgggggcc cggtaggcgc gcgccctcga 120
ggcgagcaga gagtcgcgcg cgcgagggcg acgaagggag ggcgaggagg gcgaggaggg 180
ggaggcgcgc aggcgagcgc gcggcggcca gttggctggc cgagttggcg cggcgggggg 240
cgccgcgcgg gcgggcggca gggtgaccag ttggcgggag ccccttgggc aggccggccg 300
ccggcaggca agggcgcgcg ccatggacag acgctggccg agcgacacac tcgcagggca 360
ccgggggtga ccccctttggc cggggccccc cctgggaccg acaccgggtc gagaaacacc 420
cagacggaca cgggaagcgc ccacaggtga 450

<210> 20895
<211> 579
<212> DNA
<213> A.fumigatus

<400> 20895
aaacgcccgg gagcccacat cgctgggatg accgaagccc gggggccgtt tggtccccgg 60
caccgatgga gtctgtggat cgttggccgc tggccagtcc tgatacccag attcccgggg 120
ggagccgccc cgcgggagcc gcccctttgtg ggcgtgtccg cggggtctgg acccccccacc 180
cgagggccgt atgccgcagc ccgccagcgc ccgcgagggc gatctgacgg gatcacctgc 240
gtgcggaccg gttctgaggg gctacagtgg gggcaattgg atggtcgtcg tcgctccccc 300
ggtgcgccgg gggcggtcgg cgcggccggg cgacgcatgt cgccccttct ggattcacct 360
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tggtcggctg gcgcgggcgc ccatcaggta ttaggtatct ggttgattct gccagtagtc 480

atatgcttgt ctcaaagatt aagccatgca tgtctaagta taagcaattt atacggtgaa 540
actgcgaatg gctcattaaa tcagttatcg tttatttga 579

<210> 20896
<211> 426
<212> DNA
<213> A.fumigatus

<400> 20896
agtgaccaag cgggtcgtgt aagcggtcaa gtagccttgt tgctacgagt cgctgagcgt 60
cagcccgatc cttggctaga tttgttggca aacacctccc atcaacgggc ccggcagcgc 120
cgggcgcttg gaggggggcc cagacacctt tctccggaga cgcgggggg caccggtgac 180
ggccggtccc ctcgggatct ccacctccat ggactctcgc cagttggccg gccgagatgg 240
ccgcggggac ccgcgcgccg ccgccgcctg gtgacgaagg gcagtgacca gttggctggg 300
gcacatggcc gcacgggcgg cgcgcggtct gccggcgcag gtgggcctcc ccccggaacg 360
acgttcggac ccgggaacgt ttgcgcgcac gatgatgggc cgggcgaggt cggtgggtat 420
gtgtag 426

<210> 20897
<211> 1107
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (66)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20897
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gggggngttt ggggattccc ccacgggagg gaaccccccg ggcgggccat atccggaatc 120
ccgttgaggc ggaacggccc aaggggggtgt tcgctgcaag tgtccccgag gagggcgggg 180
ggttttccgg gccgaacaag ggggggcgcg cccggcccaa ttggtcacct gtgggcgctt 240
cccgtgtccg tctgggtgtt tctcgacccg gtgtcggtcc cagggggggc cccggccaaa 300
ggggtcaccc ccggtgccct gcgagtgtgt cgctcggcca gcgtctgtcc atggcgcgcg 360
cccttgcctg ccggcggccg gcctgcccaa ggggctcccg ccaactggtc accctgccgc 420
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ccccccgcgt ctccggagaa aggtgtctgg gccccccctcc aagcgcccgg cgctgccggg 960
cccgttgatg ggaggtgttt gccaacaaat ctagccaagg atcgggctga cgctcagcga 1020
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cagaggattc atccccgcgc gaggtga 1107

<210> 20898
<211> 1080
<212> DNA
<213> A.fumigatus

<400> 20898
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catatgcaca tatatatatg gatggatggg tgggtgtctg cgtatcccca cggatggatg 120
ccgccggcgg gccatgccgg catccgtcga ggccgacggc catgtgcgtg tcgctgcaag 180
tgtccccgta gacggcgcgc ggctctccgg tgccgacaag ggcgcgcgcg cgccggccaa 240
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tggcgcgcgc cggccaactg gtcacccccg gtgcctgcga gtgtgtcgct cggccagcgt 360
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ctggtcaccc tgccgcccgc ccgcgcggcg ccccccgccg cgccaactcg gccagccaac 480
tggccgccgc gcgctcgcct gcgcgcctcc ccctcctcgc cctcctcgcc ctcccttcgt 540
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cccctcaac cgactcccct caaccgggac cctcgcgcgc gccgccggcg gcccttctcc 660
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ggaccggccg tcccccggtg gccccccccgc gtctccggag aaaggtgtcc ggggcccccc 960
ctcaaaaccc cccggggcct gccggggccc gttgaagggg aaggtttttg ccacccaaac 1020
ctcaccaagg gatcggggcg gaacccccaa ccaaccccgt atcaaacaag ggtcccttga 1080

<210> 20899
<211> 867
<212> DNA
<213> A.fumigatus

<400> 20899
ggcggaacgg cccaaggggg tgttcgctgc aagtgtcccc gaggagggcg gggggttttc 60
cgggccgaac aaggggggcc gcgcccggcc caattggtca cctgtgggcg cttcccgtgt 120
ccgtctgggt gtttctcgac ccggtgtcgg tcccaggggg ggccccggcc aaaggggtca 180
cccccggtgc cctgcgagtg tgtcgctcgg ccagcgtctg tccatggcgc gcgcccttgc 240
ctgccggcgg ccggcctgcc caaggggctc ccgccaactg gtcaccctgc cgcccgcccg 300
cgcggcgccc cccgccgcgc caactcggcc agccaactgg ccgccgcgcg ctcgcctgcg 360
cgcctccccc tcctcgccct cctcgccctc ccttcgtcgc cctcgcgcgc gcgactctct 420
gctcgcctcg agggcgcgcg cctaccgggc ccccagcccc cctcaaccga ctcccctcaa 480
ccgggaccct cgcgcgcgcc gccggcggcc cttctcctac acatacccac cgacctcgcc 540
cggcccatca tcgtgcgcgc aaacgttccc gggtccgaac gtcgttccgg ggggaggccc 600
acctgcgccg gcagaccgcg cgccgcccgt gcggccatgt gccccagcca actggtcact 660
gcccttcgtc accaggcggc ggcggcgcgc gggtccccgc ggccatctcg gccggccaac 720
tggcgagagt ccatggaggt ggagatcccg aggggaccgg ccgtcaccgg tgcccccccg 780
cgtctccgga gaaaggtgtc tgggcccccc tccaagcgcc cggcgctgcc gggcccgttg 840
atgggaggtg tttgccaaca aatctag 867

<210> 20900
<211> 225
<212> DNA
<213> A.fumigatus

<400> 20900
caacaaggct acttgaccgc ttacacgacc cgcttggtca cttcagtcgt ctgcagagga 60
ttcatccccg cgcgaggtga cattgcaatc cgccagccag cccccggggg tttctccccg 120
ggggccgtcg ccagcctgct gaggtacatg gcccggaggc ctattcgtat ccaactacga 180
cgtgcggggc tacatcgccg cgttccggca cggattctga cttag 225

<210> 20901
<211> 249
<212> DNA
<213> A.fumigatus

<400> 20901
tctttcgccc ctatacccaa atttgacgat cgatttgcac gtcagaaccg ctgcgagcct 60
ccaccagagt ttcctctggc ttcgccctat tcaggcatag ttcaccatct ttcgggtccc 120
cacagctacg ctcgtactca aatccatccg aagacatcag gatcggtcga tggtgcgccc 180
cgcgaggggg ctcccacctc cgttcgcttt cactgcgcgt acgggtttga cacccgaaca 240
ctcgcgtag 249

<210> 20902
<211> 576
<212> DNA
<213> A.fumigatus

<400> 20902
aaaaataaag ttgggtgtcg gctggcgccg gccgggccta cagagcaggt gacaaagccc 60
catacgctcg aggaccggac gcggtgccgc cgctgccttt cgggcccgtc ccccgggaga 120
gggggacggg ggcccaacac acaagccgtg cttgagggca gcaatgacgc tcggacaggc 180
atgccccccg gaataccagg gggcgcaatg tgcgttcaaa gactcgatga ttcactgaat 240
tctgcaattc acattactta tcgcatttcg ctgcgttctt catcgatgcc ggaaccaaga 300
gatccgttgt tgaaagtttt aactgattac gataatcaac tcagactgca tactttcaga 360
acagcgttca tgttggggtc ttcggcgggc gcgggcccgg gggcgcaagg cctccccggc 420
ggccgtcgaa acggcgggcc cgccgaagca acaaggtacg atagacacgg gtgggaggtt 480
ggacccagag ggccctcact cggtaatgat ccttccgcag gttcacctac ggaaaccttg 540
ttacgacttt tacttcctct aaatgaccgg gtttga 576

<210> 20903
<211> 1164
<212> DNA
<213> A.fumigatus

<400> 20903
ctggctagat ggcaccggtg ggccatgccg acctacctcc gtgcagatgt cgggggggga 60
tgcgggtgca tatgcacata tatatatgga tggatgggtg ggtgtctgcg tatccccacg 120
gatggatgcc gccggcgggc catgccggca tccgtcgagg ccgacggcca tgtgcgtgtc 180
gctgcaagtg tccccgtaga cggcgcgcgg ctctccggtg ccgacaaggg cgcgcgcgcg 240
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tcggtccctg gcgcgcgccg gccaactggt caccccggt gcctgcgagt gtgtcgctcg 360
gccagcgtct gtccatggcg cgcgcccttg cctgccggcg gccggcctgc ccaaggggct 420
cccgccaact ggtcaccctg ccgcccgccc gcgcggcgcc ccccgccgcg ccaactcggc 480
cagccaactg gccgccgcgc gctcgcctgc gcgcctcccc ctcctcgccc tcctcgccct 540
cccttcgtcg ccctcgcgcg cgcgactctc tgctcgcctc gagggcgcgc gcctaccggg 600
cccccagccc ccctcaaccg actcccctca accgggaccc tcgcgcgcgc cgccggcggc 660
ccttctccta cacataccca ccgacctcgc ccggcccatc atcgtgcgcg caaacgttcc 720
cgggtccgaa cgtcgttccg gggggaggcc cacctgcgcc ggcagaccgc gcgccgcccg 780
tgcggccatg tgccccagcc aactggtcac tgcccttcgt caccaggcgg cggcggcgcc 840
ccggggtccc cgcgggccat ctcggccggg ccaactggcg agagtccatg gaggtggaga 900
tccccagggg accggccgtc ccccggtggc ccccccgcgt ctccggagaa aggtgtccgg 960
ggcccccccc caaaaccccc cggggcctgc cggggcccgt tgaaggggaa ggtttttgcc 1020
acccaaacct caccaaggga tcggggcgga acccccaacc aaccccgtat caaacaaggg 1080
tcccttgaac cgcctatccg aaaccccgct gggtcctttc caatccctct tgcaaaagga 1140
atcactcccc cgccccaaag gtga 1164

<210> 20904
<211> 969
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (67)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20904
gcagaacttc ggggggaga aggggggca aattgcaaca aaaaaaaaat gggagggatg 60
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cccgttgagg cggaacggcc caaggggtg ttcgctgcaa gtgtccccga ggagggcggg 180
gggttttccg ggccgaacaa gggggggcgc gcccggccca attggtcacc tgtgggcgct 240
tcccgtgtcc gtctgggtgt ttctcgaccc ggtgtcggtc ccaggggggg ccccggccaa 300
aggggtcacc cccggtgccc tgcgagtgtg tcgctcggcc agcgtctgtc catggcgcgc 360
gcccttgcct gccggcggcc ggcctgccca aggggctccc gccaactggt caccctgccg 420
cccgcccgcg cggcgccccc cgccgcgcca actcggccag ccaactggcc gccgcgcgct 480
cgcctgcgcg cctccccctc ctcgccctcc tcgccctccc ttcgtcgccc tcgcgcgcgc 540
gactctctgc tcgcctcgag ggcgcgcgcc taccgggccc ccagcccccc tcaaccgact 600
cccctcaacc gggaccctcg cgcgcgccgc cggcggccct tctcctacac atacccaccg 660
acctcgcccg gcccatcatc gtgcgcgcaa acgttcccgg gtccgaacgt cgttccgggg 720
ggaggcccac ctgcgccggc agaccgcgcg ccgcccgtgc ggccatgtgc cccagccaac 780
tggtcactgc ccttcgtcac caggcggcgg cggcgcgcgg gtccccgcgg ccatctcggc 840
cggccaactg gcgagagtcc atggaggtgg agatcccgag gggaccggcc gtcaccggtg 900
ccccccgcg tctccggaga aaggtgtctg ggcccccctc caagcgcccg gcgctgccgg 960
gcccgttga 969

<210> 20905
<211> 408
<212> DNA
<213> A.fumigatus

<400> 20905
agccaatcct tatcccgaag ttacggatcc attttgccga cttcccttat ctacattgtt 60
ctatcaacta gaggctgttc accttggaga cctgctgcgg ttatgagtac gacctggcgt 120
gaaaactatt ccttcccgcg gattttcaag ggtcgtcggg ggcgcaccgg accccgcaaa 180
ggtgcggggc tctgccagcc atggaaccct agctccggac aaaccgattt cagggtggaa 240
ggctgtcaag aagaaaagag aactcttccc aggacccccg ccgacgtctc cgcgttcagt 300
tacgttgccg tggagaatcc acatccaggt gccggaatgt taaccggctt ccctttcggc 360
acacggcgca cgagggcgcc tttcaaacgg aacttcccta tgccttag 408

<210> 20906
<211> 198
<212> DNA
<213> A.fumigatus

<400> 20906
ttcattcggc ccgtgagttg ttacacactc cttagcggat tccgacttcc atggccaccg 60
tcgggctgtc tagatgaact aacacctttt gtggtgtctg atgagcgtgc attccggcac 120
cttaacctcg cgttcggttc atcccgcatc gccagttctg cttaccaaaa atggcccact 180
agtaacgctt cattctaa 198

<210> 20907
<211> 804
<212> DNA
<213> A.fumigatus

<400> 20907
acggcgcgcg gctctccggt gccgacaagg gcgcgcgcgc gccggccaac tggtcacctc 60

tggcgcctcc cgtgtccgtc tgggtgtctc tcgacccggt gtcggtccct ggcgcgcgcc 120
ggccaactgg tcacccccgg tgcctgcgag tgtgtcgctc ggccagcgtc tgtccatggc 180
gcgcgccctt gcctgccggc ggccggcctg cccaaggggc tcccgccaac tggtcaccct 240
gccgcccgcc cgcgcggcgc cccccgccgc gccaactcgg ccagccaact ggccgccgcg 300
cgctcgcctg cgcgcctccc cctcctcgcc ctcctcgccc tcccttcgtc gccctcgcgc 360
gcgcgactct ctgctcgcct cgagggcgcg cgcctaccgg gccccccagcc cccctcaacc 420
gactccctc aaccgggacc ctcgcgcgcg ccgccggcgg cccttctcct acacataccc 480
accgacctcg cccggcccat catcgtgcgc gcaaacgttc ccgggtccga acgtcgttcc 540
ggggggaggc ccacctgcgc cggcagaccg cgcgccgccc gtgcggccat gtgccccagc 600
caactggtca ctgcccttcg tcaccaggcg gcggcggcgc cccggggtcc ccgcgggcca 660
tctcggccgg gccaactggc gagagtccat ggaggtggag atccccaggg gaccggccgt 720
cccccggtgg ccccccccgcg tctccggaga aaggtgtccg gggccccccc tcaaaacccc 780
ccggggcctg ccggggcccg ttga 804

<210> 20908
<211> 192
<212> DNA
<213> A.fumigatus

<400> 20908
aggggaaggt ttttgccacc caaacctcac caagggatcg gggcggaacc cccaaccaac 60
cccgtatcaa acaagggtcc cttgaaccgc ctatccgaaa ccccgctggg tcctttccaa 120
tccctcttgc aaaaggaatc actcccccgc cccaaaggtg aaattgtgaa ttccggccag 180
gcaagccccg cg 192

<210> 20909
<211> 537
<212> DNA
<213> A.fumigatus

<400> 20909
aattatgaaa gattaaaaaa ttttttttttt atgaataata tatttttatt aaacgattat 60
attactaatg gattcagaat agaatttgtt gatatgattt atttaatttc tattttgttt 120
ggagtattaa ctattgtaag tagaaatcct atcgtatctg tattattttt aataggtttg 180
tttgttaata ttgctggttt attaatatta gtaggatata attacatagg attatcttat 240
attttagtgt atgtaggagc tgtatcaatt ttattcttat tcatattaat gttaataaat 300
attagaatat ctgaactttt aagtgaaact aataatgata tacctttagc tgttttaaca 360
gttttacttt tctattatat tgtaggacaa gtattacctt ctaatttaac agataataca 420
attgtttctt atttatcaaa ttcatttttct gaagtatata atgttcaatt agataatgaa 480
ttttttaata tagtagattt aaaacaagaa atagcttatg caagtagtaa aggttga 537

<210> 20910
<211> 315
<212> DNA
<213> A.fumigatus

<400> 20910
ttaattgtgt gtaggatgta tgttgtatgt aattctatat tagttaaggt taccttactt 60
aaagggttga acactaatat ttattctaaa atgctacaag ctgctaaaat tattggtaca 120
ggattggcta caacaggatt aatcggtgct ggtgtaggta tcggtgttgt attcggtgca 180
ttaatactag gtgtcgctag aaatccttca ttaagaggac aattattctc atatgctatc 240
ttaggtttcg cttttgctga agctactgga ttattcgcat taatgatggc tttcttatta 300
ttatatgttg cttaa 315

<210> 20911
<211> 252

<212> DNA
<213> A.fumigatus

<400> 20911
tatatattta ggtgtagatg gtttatcaat atattttgta ttattaacaa ctataataat 60
gcctatagca atattatcaa attgaaattc aatacaatca caaaatgtat tgtcatttgt 120
agtaataatg ttattattag aaacattatt attagcagta ttcttagtat tagatgtatt 180
gttattctat atattcttcg aaagtatttt accaccatta tttttattaa taggattatt 240
tggttcaagt aa 252

<210> 20912
<211> 183
<212> DNA
<213> A.fumigatus

<400> 20912
ttttgcatca acatcacatt ttatcttaac attctcaatg agtttcactg ttgttttagg 60
tgcaacattc ttaggattcc aaagacatgg attaaaattc ttttcattat ttgtaccttc 120
aggttgtcct ttagcattat tacctttatt agttttaatc gaattcattt catacttatc 180
tag 183

<210> 20913
<211> 312
<212> DNA
<213> A.fumigatus

<400> 20913
ccaccattag gaatacaagg tgtaaatcct ttcgaattac cattattaaa tacaataatc 60
ttattatcat caggtgtaac aattacttac gctcatcatt cattaataca aggtaataga 120
aaaggtgcat tatatggtac agttgctaca attatattag caataatatt cacattcttc 180
caaggtgtag aatatacagt atcatcattc actatttctg atagtgtata tggatcatgt 240
ttctactttg gaacaggttt ccacggatta cacgtaatta taggaacagc attcttagct 300
gtaggtttat ga 312

<210> 20914
<211> 1002
<212> DNA
<213> A.fumigatus

<400> 20914
aaaattgaaa aacaattaag aaaagaaaga ttacgtcata gattaagaaa attatctaca 60
aatagaatct ttgttagtga tggtgaattt aaacatacta atgataaagt aaatatcaca 120
ttatatgtat ataatagaca aaaacttaat tacttattaa aattaaaaaa aagatatata 180
agattattta aaagagttaa atttgtaaga aaattacaat taataagaaa tataggattg 240
aatattttaa aaaaacaaca agaaaaaagt aaaatattaa caaatatttt acctaattat 300
agttcaaaaa tatctagaat tcaaaatttt tactataaaa aatttataat aaaatctttt 360
aaaagattaa aatactatat gttttataaa caattacttt atatcaataa agctaaattt 420
gaaaattcat atttacaagg tttaattaat ttaataaaaa aaatatataa aaaaaatgta 480
gaatttaata ttattaattt aaaatacttt tattttaata gtgatatttt tacacaacca 540
ttagtattaa aattaagaaa aaaaagaaaa ccattaaaat atcttaaagc tttagtaaga 600
aaagcaaaaa ttaaaaaaat taaattaaat gaaagatcta aatatttctt tgaattaaat 660
aatttattta ctgtaaataa tcttgatact actaataatt tacttaataa tttaatagag 720
gaaaatataaa caagttcaaa atatcttaaa aaaatagtat taaataatat taaatataaa 780
agagtatcag gtgttagaat agaagctgca ggtagattaa ctagacgtta tactgcttca 840
agatctcaac ataaagttag atataaaggt aatttagtaa atgcctattc ttctattaaa 900
ggttatcctt catctgtaat aagaggaaat tataaaccta atttacaata tactaaatta 960

aattctaaat ctcgtattgg atcttttgga gttaaaggtt ga 1002

<210> 20915
<211> 624
<212> DNA
<213> A.fumigatus

<400> 20915
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ggtttattgg gtacagcatt ttctgtactt ataagattag aattatcagg accaggtgtt 120
caatatattt cagataacca attatacaat agtataataa cagctcacgc tattatgatg 180
attttcttca tggttatgcc tgctttaatt ggaggttttg gtaatttctt attaccttta 240
ttagtaggag gtccagatat ggcaaaagaa aaaaaagaaa tggatctcca taggtttaat 300
attagatatt atagtaatga tttaaaaaat aaatttaagg gatatttagc tggtttattt 360
gaaggaaatg gacatattag tattaaaaaa tctagtaaaa agaaacacaa tccaagattt 420
tatataactt ttaatatgaa aaatcaacca ttagctaaaa aattagtaga tttaataaaa 480
tggggagatt taagatatga attaaaaaat gacgcttgtg tattagttgt ttcatctgta 540
ataggtttaa aaaaagtagt tgaattatta aatggtgaat taagaacacc aaaaatacat 600
ctactttata atttaataga ttga 624

<210> 20916
<211> 321
<212> DNA
<213> A.fumigatus

<400> 20916
ttaagtggat ttattgattc aaatggaagt ttttctatac aacatactaa attaaaaaat 60
ggtataaaaa aaagaaaaat atcttgtaga ttaagaattg aagaaagaat attagatcct 120
ataactaaaa atagttattt aaaagttttt actgatatat ctaattttct taattgtagt 180
ttattaacaa gaaaacaaaa atcaacaggt aatgaatact atattttaac agtttcaagt 240
ataatgtctt taaatttaat agtaaattat ttagaaaaat atcctttatt ttcaagtaag 300
tatttagatt ataaagattg a 321

<210> 20917
<211> 189
<212> DNA
<213> A.fumigatus

<400> 20917
tttttactag taatgacgtt taatatattt atattaatta atattttatt tagtaaaaaa 60
aagaattatt tttatattta tattctttta tttttaattt tttttttta tattatatat 120
gaatttatat ttgcaaaaaa aatatatata ttttttatta tacttttaaa aattagtaat 180
ttattttaa 189

<210> 20918
<211> 450
<212> DNA
<213> A.fumigatus

<400> 20918
ataattatat atttatttaa taacagtagt tctcaattaa ttaagcaaaa acaaatatgt 60
ttgtatatta tgacaacaac aacttttttc ttatttttaa taccagtact agcaataatt 120
ttgttagcgg ttaatttaat tctttctcct cataacccat atcaagaaaa agatagtgct 180
tttgaatgtg gttttcattc tttcttagga cagaatagaa cacaattcag tatatctttc 240
tttatatttg ctctattatt tttattattt gatttagaaa tattattagt ttacccttat 300
gtggtaagtg catatacaaa tggtatatat ggtttagtaa taatgttagt atttttcctt 360

gtattaactt taggttttgc ctttgagtta ggtaaaaatg ctttaaaaat tgaaagtaga 420
caagtattta attttaatta taaatcttga 450

<210> 20919
<211> 363
<212> DNA
<213> A.fumigatus

<400> 20919
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atagttccag aaagtgattt agaagatggt caatttagaa tgttagaagt tgataataga 120
gtaattatac cagagttaac tcatacaaga tttgtaattt cagctgctga tgttatacat 180
tcttatgctt gtccatcttt aggtattaaa gcagatgcat accctggtag attaaaccaa 240
gcatctgttt atgtaaatcg tccaggaaca ttctttggac aatgttcaga aatctgtggt 300
attttacata gttctatgcc tattgcaatt caatcagtgt ctattaaaga cttcttatta 360
tga 363

<210> 20920
<211> 195
<212> DNA
<213> A.fumigatus

<400> 20920
ataatgtatt taacattgat aattttacct ttattaggtt caataatttc aggtttcttt 60
ggaagaaagg ttggagtaag aggagcacat ataataacat gtacttcagt aataacaaca 120
acatttttag ctatattagc tttttttgaa gtaggtttta acaatatacc tgtaacaata 180
aatgttgcaa gatga 195

<210> 20921
<211> 198
<212> DNA
<213> A.fumigatus

<400> 20921
aatttcagat ttgattcatt aacagtttca atgttattac ctgtattaat agtatctagt 60
ttagtacacg tatattctat aagttacatg agtcatgatc cacataatca aagatttttc 120
agttatttaa gtttattcac ttttatgatg attatacttg taacaggaaa taattattta 180
ataatgtttg taggttga 198

<210> 20922
<211> 1146
<212> DNA
<213> A.fumigatus

<400> 20922
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aaagttattg cttattcaac tatgagtcaa ttaggtatga tggtaatagc tgttggttta 120
tcaagttata acttagcttt attccattta gtaaatcatg ctttctataa agcgttatta 180
ttcttaggtg ctggttcagt tatacatgca gtagcagata accaagattt tagaaaatat 240
ggaggtttaa gagaattctt acctttaaca tattcagtta tgttaatagc ttcattaagt 300
ttagtagctg taccttttat gacaggattc tattctaaag attttatcct tgagtctgca 360
tatggacaat attatctatc aagtactata gtttattttg tagctacaat aggtgctatg 420
tttactacac tttattcagc taaagtatta tatctaactt tcttagctaa tcctaatggt 480
cctttagtaa attataaaca tgctcatgaa ggtgacttgt ttatgactat accattaatt 540
attttagcta ttttctcaat attctttgga tatttaacta aagatatttt tataggatta 600
ggaactggtt tctttacaga taatagttta tttattcatc ctagtcatga aataatgtta 660

gatacagaat ttgctgtacc tacattcttt aaattattac catttgtatt tactgtatca 720
ttaagtatac tttctgtatt attatcagaa ttcttaccta aattacttat taattttaaa 780
ttctcaagat taggttataa tatctttagt ttctttaatc aaagatttta tatagaatta 840
ttttataata aatatattgt agaaggtgtt cttaaattag gtggtcaaac atctaaaagt 900
ttagataaag gttctgtaga attaatagga ccttatggtt tagaaaaagg attattagct 960
ttaagtaata gtataggtaa tttaagtaca ggtgttgtta ctacttatgc cttatatata 1020
ttaataggtt taatattcta tatttcttta atatattttt catataatga taataattta 1080
ttaattttag ttatatttac attatttgct ttattaaata gtaataataa taaattatct 1140
agctaa 1146

<210> 20923
<211> 324
<212> DNA
<213> A.fumigatus

<400> 20923
ggtggtttct ctgtaaataa tgctacatta aatagattct ttgcattaca tttcttatta 60
ccttttgttt tagctgcatt agtaataatg catttaatag caatgcacga tactgtagga 120
tctggtaatc ctttaggtat ttctggtaat tatgatagat tacctttcgc tccttacttt 180
gtatttaaag atttagttac tgtatttatt ttctttatag tattatctgt atttgtattc 240
ttcatgccta acgcattagg tgatagtgaa aattatgtta tggctaatcc aatgcaaact 300
ccacctgcta ttgttccgga atga 324

<210> 20924
<211> 336
<212> DNA
<213> A.fumigatus

<400> 20924
tacttattac ctttctatgc tattttaaga tctataccta acaaattatt aggtgttatt 60
gctatgtttg ctgcaattct agcattaatg gttatgccta taactgattt atctaaatta 120
agaggagtac agttcagacc tttaagtaaa atagcattct atatttttgt tgctaatttc 180
ttagtattaa tgcaattagg tgcaaaacac gttgaaactc catttattga atttggacaa 240
atctcaactg ttttatactt tgcacacttc tttgtaatag tacctgtagt tagtattatt 300
gaaaatagtt tagttgaatt agcaactaaa aaataa 336

<210> 20925
<211> 216
<212> DNA
<213> A.fumigatus

<400> 20925
gcggaatatg ctagtattgt attaatttgt gttttaaata gtattttatt tttaggaggt 60
tatttaagta ttattccttt agattttatt atatatattt taaatttatt ttttaatgta 120
aatgatacta ttttatatga tatatttatt catatatcat cttctccttt aaatttagcc 180
tttaaaacag ctttcttaat atttgtattc atttga 216

<210> 20926
<211> 327
<212> DNA
<213> A.fumigatus

<400> 20926
ataaaatata aaattataaa tatgtcttta ttattattat taataccttt aattggaata 60
ggtttagtta caatagaggc aaattatggt ttatcattaa tcaataatat aagaattaaa 120
tctatagcct taataacttc tatagttaac ttagttgttt cattaattat gtttatacta 180

tttgatttta gtagtaaaca atttcaattt attgaagaac attatcaaat aagttatttt 240
gatatatatt taggtgtaga tggtttatca atatattttg tattattaac aactataata 300
atgcctatag caatattatc aaattga 327

<210> 20927
<211> 381
<212> DNA
<213> A.fumigatus

<400> 20927
aattcaatac aatcacaaaa tgtattgtca tttgtagtaa taatgttatt attagaaaca 60
ttattattag cagtattctt agtattagat gtattgttat tctatatatt cttcgaaagt 120
attttaccac cattattttt attaatagga ttatttggtt caagtaataa agtaagagct 180
agtttttact tattcttata tactttatta ggatcattat ttatgttatt atctataata 240
gctatgtctt ctataatggg tacaacagat tttgatgctt tatcaaaagc aaattttagc 300
tatgtaactc aattatttt attttatgga atatttatag cttttgctgt aaaaacacca 360
gtaatttttt taaatacttg a 381

<210> 20928
<211> 780
<212> DNA
<213> A.fumigatus

<400> 20928
ttattaaaag ctcatgttga atcaccatta tcaggaagta ttattttagc aggtatagtt 60
ttaaaattaa gtttatatgg tatatttaga ttaatgttac ctttattacc taaagcttct 120
ttaaattata catatataat ttacgtaata ggtgtaataa caattatata tgctagtttt 180
agtacattaa gaacaataga tattaaagaa cttattgcat attcatctgt atctcatgca 240
gctgtttact taataggtgc atttagtaat acaatacaag gtattgaagg ttcaatactt 300
ttaggtttag ctcatggttt tgtttcatca ggattattta tttgtgcagg aggagtttta 360
tatgacagat catctactag attaataaca tattatagag gtatggctca agttatgcct 420
atattctctg tattattctt catattaggt ttaggtaata gtggtactcc tttaactcta 480
aatttcttag gtgaatttat gtcattatat ggagtatttg aaagaatgcc tatattaggt 540
gttttagcta gtacttcaat agtattctca gctgcttata caatatttat gtataataga 600
atagtttttg gtggttcata ctctatttat tttgtagaaa atataggtga tgtaactaga 660
agagaattta ttatgttatt agtatttgtt atactaacag tattatttgg tatttatcca 720
gcaccaatat tagatggatt acattattca gtttcttctt taatatatag tataaactaa 780

<210> 20929
<211> 210
<212> DNA
<213> A.fumigatus

<400> 20929
catagaatag ttatgcgtca tttagatttt gtcttaagtc ctttagacca attcgaagtt 60
agagatttat tttctctaaa tgccaattta tttggtaaca ttcatttatc attaacaaat 120
ataggtttat acttatcaat aggtttattt ttaattttaa catatagctt attagctaca 180
aataataata aaataatacc aaataactga 210

<210> 20930
<211> 576
<212> DNA
<213> A.fumigatus

<400> 20930
tcaataagtc aagaaagtat gtatgcaaca gtgcatagta tagtagtaag tcaacttaat 60

ccaacaaaag ggcaattata tttcccattt atatatgcat tatttatatt catattagca 120
aataatttaa taggattagt gccatatagt tttgcatcaa catcacattt tatcttaaca 180
ttctcaatga gtttcactgt tgttttaggt gcaacattct taggattcca aagacatgga 240
ttaaaattct tttcattatt tgtaccttca ggttgtcctt tagcattatt acctttatta 300
gttttaatcg aattcatttc atacttatct agaaatgtat cattaggatt aagacttgca 360
gctaatatac tatcaggtca catgttatta tctattttaa gtggatttac atacaatatt 420
atgactagtg gtgtattatt cttcttctta ggtttaatac ctttagcatt tattatagca 480
ttctctggat tagagttagc tattgcattt attcaagctc aagttttcgt agttttaact 540
tgttcttacg ttaaagatgg attagactta cactaa 576

<210> 20931
<211> 210
<212> DNA
<213> A.fumigatus

<400> 20931
ttagctacat gttatggtgg ttcattacac ttaacacctc ctatgttatt tgcattagga 60
tttgttgtat tattcactat tggtggattg agtggtgttg ttttagctaa tgcatcactt 120
gatgttgctt tccatgatac ttactatgtt gttgctcatt tccattatgt tttatctatg 180
ggtgctgtgt ttgcattatt tagtggttga 210

<210> 20932
<211> 297
<212> DNA
<213> A.fumigatus

<400> 20932
ataaatcaaa ataaaaatta ttatacaatg aatttttcaa tcttttttatt cttaataggg 60
atattaggtt ttgtgttaaa tagaaaaaac atcatactaa tgttaatttc aatagaaatt 120
atgttattat ctataacatt tttaatatta ataagttcac ttagttttga tgatatatta 180
ggacaaacat ttgctatata tattataaca atagcaggag cagaatctgc aataggttta 240
ggaattttag tagcatatta tagattaaga ggaagtatat caatacaata taaataa 297

<210> 20933
<211> 795
<212> DNA
<213> A.fumigatus

<400> 20933
tttaaattta ttttagaata ttatatgctt ttatcttcaa tattctgttt attattatct 60
aatgctttgt cttttagacg tgatactact attctatata gtagaattgg aataatagca 120
ttatttttatt gtatctattt atcttataat aatttattta taacatattt agataatggt 180
attgggttat ttggtggatt attttacaca tcttctataa cacaagtatt tcacatatta 240
atatttataa ttagtctatt gatattgaat atgacaggat tttatcctag aaaacttata 300
tctaatgagt atatgagttt atacaaatta ttatttacaa aattacaatt tattaaaaat 360
ttaactgtat ctaatattat tttaaaaaaa ggagaacaat acacaatatt agaatataca 420
ttaatgttat tttttataat aacaggaagt gtattattaa tatcaagtag tgatttagtt 480
tctatttttct tatctataga attacaaagt tatggattat atttattatg tgctatgtat 540
agaaattcag aatcttctac ttcagctagt ttaacttatt ttttactagg tggattatct 600
tcttgtttta ttttattagg tattgcatta atttatgcaa atctaggtgt tacatattta 660
gatagttttt atcttataaa taatttagca ggtatagttg atgaacaaga aataactaca 720
tatataccat attgtttatt attaatatct gtaggatttt tatttaaaat atcagctgca 780
ccattccatt tctga 795

<210> 20934
<211> 726

<212> DNA
<213> A.fumigatus

<400> 20934
actacaagtt tattagtaag ttctttatta tctttaatta taggaactat tttaggttta 60
actcaattta gaattaaaag attatttgct tacagtacaa tttctcattt aggtttcatg 120
ttgttagcat taactataaa tagtgttgaa tctatacaat catttatttt ctatttaata 180
caatatagtt tatctaattt aaatgccttt attttattag tagctatagg ttatagttta 240
tatgcttata atgataaaaa tattaaccat aataatttag ttgataaaaa taactcacct 300
atacaattaa taagtcaact taaaggatat ttccatatta atagtatgtt agctttaagt 360
ttatctataa ctttattctc atttgcaggt attccacctt taatgggatt ctttgcaaaa 420
cagatggtat tctctgctgc cttacaagaa ggatttattt tcttaacact tataggagtt 480
ttaactagtg ttattagtgc agtttattac ttatttattg ttaaaacaat gttctttgat 540
agacattctt atacatactt tagtaaatta aaagatctta aaataccagc tataatacta 600
caaaaagata aagaagtaaa tagaatatat tttgattcaa aatttgcttt atctagttct 660
ttaagtataa ctatttctat attaacttta attattcttt tatttatggt tatgcctaac 720
gaatga 726

<210> 20935
<211> 441
<212> DNA
<213> A.fumigatus

<400> 20935
attattttat tagtttatat atatattttt ttttatgtaa ataaaataaa atacaaaatg 60
ataacatcat taatttcaat aattgaagga ttattagtaa tagttcctgc tttattatct 120
gttgcttttg taactatagc tgaaagaaaa actatggcta gtatgcaaag aagattaggt 180
cctaatgcag taggttacta tggtttatta caagcatttg ctgatgcttt aaaattatta 240
ttaaaagagt atgtagcacc tacacaagct aatattattt tatttttcct tggacctgta 300
ataactttaa tattctcttt attaggttat cttgtagttc cttttggttc aggtttattt 360
atatctgact atagtttagg tttattatat gcattagctg ttagttcttt atctacatat 420
ggaatattat tagctggttg a 441

<210> 20936
<211> 528
<212> DNA
<213> A.fumigatus

<400> 20936
tctgctaatt ctaaatatgc atttttaggt tcattaagaa gtacagctca attaattagt 60
tatgaattaa ttttaagttc tgttatatta ttagttttat tattaacagg aagtttaaat 120
atgattacta taatagaatc acaaagagta gtaaatttct tattcccatt atttccttta 180
tttttagtat tctttatagg ttctatagca gaaactaata gagctccttt tgatttagct 240
gaggctgaat cagaacttgt tagtggtttt atgacagaac attcagctag tatttttgta 300
ttcttctttt tagctgaata tgctagtatt gtattaattt gtgttttaaa tagtatttta 360
tttttaggag gttatttaag tattattcct ttagatttta ttatatatat tttaaattta 420
ttttttaatg taaatgatac tattttatat gatatatata ttcatatatc atcttctcct 480
ttaaatttag cctttaaaac agctttctta atatgtgtgt tcatttga 528

<210> 20937
<211> 399
<212> DNA
<213> A.fumigatus

<400> 20937
cttatagaat atacgtgtac taaactagat actattaata caggtaataa cattgaaact 60

gttaatgaat caaatctgaa atttcataac acatataatg attctacatc aactcatctt 120
gcaacattta ttgttacagg tatattgtta aaacctactt caaaaaaagc taatatagct 180
aaaaatgttg ttgttattac tgaagtacat gttattatat gtgctcctct tactccaacc 240
tttcttccaa agaaacctga aattattgaa cctaataaag gtaaaattat caatgttaaa 300
tacattattt atattgtatt gatatacttc ctcttaatct ataatatgct actaaaattc 360
ctaaacctat tgcagattct gctcctgcta ttgttataa 399

<210> 20938
<211> 267
<212> DNA
<213> A.fumigatus

<400> 20938
aggattgtat ggtttagtgt atatatcata tatactatat tgtcagatat cctcttttt 60
tctttttta ttttgatcgt ctataccaat tatggctcca ccttctggat tagtattacc 120
accttggtta tttccaggat caccacctcc aaatccaaaa aaataatttc cttcatcacc 180
actactcata ttaagagtac ttacatctat attaaaagta cttacattta tattaagagt 240
acttgcatct atattaattt catctga 267

<210> 20939
<211> 186
<212> DNA
<213> A.fumigatus

<400> 20939
actataccca ccttcatata tgaatatgaa aatttttttt attatataaa atatttattt 60
acctatttta ttagctacat tatcaataat tttgatatat ttttcataag ttgtaaaatc 120
aatattaccc catgcctttt tacacataga actagccatc gaaagatttc ccttaacacg 180
tcctga 186

<210> 20940
<211> 225
<212> DNA
<213> A.fumigatus

<400> 20940
gtaattgtta cacctgatga taataagatt attgtattta ataatggtaa ttcgaaagga 60
tttacacctt gtattcctaa tggtggtcat tgtgctccta attctatact aggtgagatt 120
gcactgtgga aaaatgctca gaagattgct aaaaagaaaa atacttcaga aataatgaat 180
aaacctacac ctaaatttaa tccttttttgt actgcatttg tatga 225

<210> 20941
<211> 228
<212> DNA
<213> A.fumigatus

<400> 20941
agcggacttt ttattttcct ttctttttat aagggatttt tcccttactt taaggtagcc 60
aaattatctt ttactcacct gtacaccact actattcagt ttattaaact aattagtcgt 120
tcgattagca tgtgtcaagt acttggacag cgttcaatca gagccatcat caaactcaaa 180
aaatttctct tagatttaat agtatatata atatacctat attgctag 228

<210> 20942
<211> 237
<212> DNA
<213> A.fumigatus

<400> 20942
tatgctacta aaattcctaa acctattgca gattctgctc ctgctattgt tataatatat 60
atagcaaatg tttgtcctaa tatatcatca aaactaagtg aacttattaa tattaaaaat 120
gttatagata ataacataat ttctattgaa attaacatta gtatgatgtt ttttctattt 180
aacacaaaac ctaatatccc tattaagaat aaaaagattg aaaaattcat tgtataa 237

<210> 20943
<211> 327
<212> DNA
<213> A.fumigatus

<400> 20943
cctgatagta tattagctgc aagtcttaat cctaatgata catttctaga taagtatgaa 60
atgaattcga ttaaaactaa taaaggtaat aatgctaaag gacaacctga aggtacaaat 120
aatgaaaaga attttaatcc atgtctttgg aatcctaaga atgttgcacc taaaacaaca 180
gtgaaactca ttgagaatgt taagataaaa tgtgatgttg atgcaaaact atatggcact 240
aatcctatta aattatttgc taatatgaat ataaataatg catatataaa tgggaaatat 300
aattgccctt ttgttggatt aagttga 327

<210> 20944
<211> 195
<212> DNA
<213> A.fumigatus

<400> 20944
aataacaata catctaatac taagaatact gctaataata atgtttctaa taataacatt 60
attactacaa atgacaatac attttgtgat tgtattgaat ttcaatttga taatattgct 120
ataggcatta ttatagttgt taataataca aaatatattg ataaaccatc tacacctaaa 180
tatatatcaa aataa 195

<210> 20945
<211> 186
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (91),(158)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20945
agatcctcca agcattcccc aactgtcaca gctttgttac catattccgg cattctcctt 60
aacatgtgct ctgttaagtt gtggaatgtt ntgctcctgc acgtcgtgag caataacgac 120
ccggaactcc tcgaaacttc ccatgggcaa caaggcanca ccaaacgtat ttcttggaaa 180
atgaaa 186

<210> 20946
<211> 639
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (28),(95)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20946
ttcattttcc aagaaatacg tttggtgntg ccttgttgcc catgggaagt ttcgaggagt 60
tccgggtcgt tattgctcac gacgtgcagg agcanaacat tccacaactt aacagagcac 120
atgttaagga gaatgccgga atatggtaac aaagctgtga cagttgggga atgcttggag 180
gatcttcaag aattctggta tcgcgaagct ggcgagccct tcagcaataa cgctgtcaga 240
agttcttcat caccagagct tcatgacgct ccttcgactg tttctaaacc ggtctcccct 300
gatggtaagt gtggaaagga ctatacatgc gctggatcaa gctttggccc ttgctgtagt 360
agttccaact actgtggtac ctctaatcta cactgtggat ttggttgcca accagaagct 420
ggaaattgct tctccttaga tgagccatcg cacaatgaca ccaatgactt tataagaaag 480
ccaacgcccc ggccgggttc ggatcattcc aatgacggcg gtcttcctgg tggtggatca 540
gcgaggaagc ccgtgaaatc gggggcaaat ccagcggtcc atgccttatc ggctgcggcc 600
tgcctgatgt tgtttatttg cgtgatggca attgcctag 639

<210> 20947
<211> 291
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (281),(290),(291)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20947
gaaagtagga ggcgtaatat ctactgtttt tgtttaagta gactgcccct cggtactcta 60
gttcgcaaag ccgagatggg tagattcggc gtggggcaaa aggaccgtgt cacaatgtgg 120
ggaatgttct actcctgcaa tggaaacaac gacgatacga acaagatgat catacgagaa 180
gatgaggatg ttagcaatgc ttgcttaaca acgcgatcta cttcaattgc ccatgcaaat 240
acatggtctt caccacggga gcggaaggat caagagcggg ncttctattn n 291

<210> 20948
<211> 213
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (15),(76),(91),(92),(93),(117),(118)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20948
ccggtcggcg atttntttct ccggtgggtg caattctcca cctccgagct tgcttcaatt 60
ttttggggtt attatntgtt tccgtgcggg nnnatatcct ccgttctctt cgtctcnngt 120
tcgggccgag ttgggatttg gactcagatc ttctctgcca accatggaat ccgcggcaga 180
tttcccaccg tttcagcaac ggttaacgtt tag 213

<210> 20949
<211> 492
<212> DNA
<213> A.fumigatus

<400> 20949
acttcgtcgt ttctcagggc ggccacagcc ggcacagatt tactcgcacc taaactgcac 60
gatgaggact cggtcgaaga caattggcgt ggtgttgttg atgttatcga tgcgctgcta 120
gagagggcag acgcctgtct cgatgaattt acgggagtca tcaagaaatt gagcccgtcg 180

cagcaggagc agagcgcagc aaaggccgcc aaaaaggctt cccccaagtt cccctccgtt 240
tacgatttcg gcccgtcgaa gattcccaag ccacaattgt tgtttgagcg ccccccccgac 300
aacaccgatg tttctccttt taagcctctt cttcgaatca agcctcacgc gattgttccg 360
ttggaggatt cgttgaagtt gacagatcct gcgcaaggtt acaggaatcc gtatgaaacg 420
gagattcagg ctgccaagta cccggaatcg acctatactg tctctccccc cggtcgagta 480
ccagccgttt ga 492

<210> 20950
<211> 306
<212> DNA
<213> A.fumigatus

<400> 20950
agtatctgta ggttgccccg ttgccttgcc ttgcgggcaa tgaatactgt cgaagggagc 60
gattcgatac tgactgcgac aaggtacaag gggatggctg ctccggctcc tggtggcggg 120
gcgcagtcgc ctcgcaagtc ggtgtctccg cagaacacgg ggttctcgca gattcaggcc 180
cggaatctgg gtgagggcgg gagcgcgcag cagatgagtg tgttgctgag ctggcacgag 240
aagttggttg agcttacggg gactgggtcg attgtccggg ttatgacgga tcggaggacg 300
gtttaa 306

<210> 20951
<211> 378
<212> DNA
<213> A.fumigatus

<400> 20951
ccgctcgtca gtagacaaag gacactcgac gacgaggagt tagattcggg cgacgacatt 60
gatcgctacg acagagccgg agatctcatg gatgaggatg gtgtggaagg ggattatcag 120
gaaactgtga acattatgga cctgagtcta ggccgggcgc ctgagccggt gacttcgaat 180
ggggaggtag gtccagtagg gccgaaaaag agcatgctgt cctgttggct gaccctatac 240
acgcaggtct acacgatgcc agtgccaact ttcttatcga tagagacaga ggagttcgac 300
ccggaaacgt acgtcgcgcc tccattcaat actgcggcga cttccctgtg ctggaggcat 360
gacccgaacg acgaatct 378

<210> 20952
<211> 477
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222>
(433),(434),(435),(436),(437),(438),(439),(440),(441),(442),(443),(444),(445),(
446),(447),(448),(449),(450),(451),(452),(453),(454),(455),(456),(457),(458),(4
59),(460),(461),(462),(463),(464),(465),(466),(468)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20952
gccgttgagt ctcccaatgc aatcatgggc caagccgatg cagccggatt ttcgggtagc 60
tctcacggga acgcgacgca aggcgctgaa gatctgtcaa gtgccgcttc agacatcgac 120
atgaacgacg ttacggatgc ttgccacggt gacgtggctc ctacatcgtc ctcctctttt 180
gaatcaatga tcatacgtac cccgaacgaa gatttaccat atctctttgt cggctccggg 240
agctgcaacc ctcttgaccc caaggcctca aactgcctgg gtctggctct tgtccgctcc 300
atcgatgttc catcacgcaa gctggaactc atcactccaa tcccagcgtc caaacttcgc 360
gatgccctag aacaaggcca cggcatcgtg ctcgttcgcg gaatgctaga taaccccagc 420
tgggccgtct tcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntntc agtcaca 477

<210> 20953
<211> 363
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (70),(115),(154)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20953
agccccccaa tattggcctt tacgaaaatt accggtccgg acaagcttac caaatgggtg 60
ttcgcccagn acccaagcgt gttcaaggag gtcaacccgg cagtcaagca agagnaagag 120
cgtgctttgc acgagcaaaa actcgccaag atgnaggcag agatgaagat ggtcttccag 180
cagaaggttg cagagaagga aagcaagctg aaacagagcg aggacgaatt atacgcgcga 240
catcgcgaaa tgaaggacca actggaacgc caacgccagg agctggaaga gaagaaggcc 300
cgactcgaga gtggaaggcc aatcgaagag aaggggaaga ggaagggctt ttctcttcgt 360
taa 363

<210> 20954
<211> 600
<212> DNA
<213> A.fumigatus

<400> 20954
gacgcgctac cttccagtcc cgtcggcgtc gacgattact caacgccaca gcatgggaag 60
attcacgatg cgaaggccaa aaagcgatca aaatcgcgcc tatcgacgtc ccgcaggcgg 120
gaaatggaac ttttgatcaa cacaccaccg agcatcgcag aggaggagcc aacagacgac 180
catgccaact tcacggcaac acccagcagt gaagccataa ccagcgagtc ggcgatctat 240
gtgcagggca tgaacgttct ctgcgcgccc tttctctacg tggcacgcag cgaagtcgag 300
gcctttgcat tgttccacta tttcatgacc agtgaatgcc caggctatat ccgtggtgcc 360
atggacggtg tccaccgggg tctgcggctg gtcgatcgat gcctcgagat tgtcgagccg 420
aagctcgctg cctatctctt ctccaagggg atgcaagcgg agctctacgc cttcccatct 480
gttctgacac tgtgcgcctg cacgccccca ctgcctgagg tgctccacct gtgggatttc 540
ttgttcgcat atggcccaca tctgaatatt ctatgcatcg ttgcgcagct gatccggatg 600

<210> 20955
<211> 456
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (445)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20955
accaacccac agcgcggtgt attcgccatt ttctctgcgg cagattatcg agtttatagt 60
cttcctaccc ttgaacttta tccctgtcgc aggcactccg atgttcttgt tgttgaccgg 120
ctatcgcgcg gggccactcc atcactggcg gtattttcag atgctggatc tgtcgaagaa 180
acaaaggaag gaaaggatcc gtcgacggca gcttcaatac actacgtatg tacctcgtct 240
tgcgcactga tctattcagc cgatcatttt ctgatctgtg gacgcagatt cggaacggtt 300
gctttgcttc tacagcttat tcctggctta tcaatgttct tcctcatgtc aactgcggcc 360
gggtctgccc tctgggtaaa ggacattgag aacaaacgtg atgctttacg aggaacgtct 420
tcaccacagg ggcccggaag gtccngcgct aagcgt 456

<210> 20956
<211> 360
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (360)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20956
tcccagggta tgcgatcact tctagccgcc atttgcctat cctttgaggg ccctgatgat 60
gacttaattc aacagatctt ccctcggtgg gtgagatatt ccgccctgct cactgtcaac 120
gtgtttgtat ttatgggcaa tatgtactca gtacgtacag acgactcgag tcttcccgac 180
aatcaaggac taacaatatt tatacagtct gggatagcta ctggcttcgg gagcttggca 240
gaggaccttc aacttccctt tgaaaaactg tcggacttga ttagctactc tgtgctggct 300
atgggcttgg caaacatttt ctggatgcct ctggcgctgt gttttggcaa gcgtcccgtn 360

<210> 20957
<211> 600
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (599)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20957
tactgtgggt ggtttggatt tcaacgtacg cctataacct cacttcatta catgatcttc 60
gttcttgccc ctttgtgccg tcattccatg gcatgtgttc atcaaattgc atgtttgacg 120
cacgacctgg ctaatgtttt cctgcagaat ttcttcaata tcatcaatgg agaaacggta 180
tctagtgctg tgactcagca tggcatcaac ccagccaaca aggagccaaa cccccccgtt 240
ccggttgcca gccccgccga gctcgacaag gctgtcgctg cggcgcaagt tgcctttgag 300
caatggtcac cattcccgct tgaggatcgg cgcaaggctc tgttcgcgta ctctgacgca 360
ctgaatgctg aaaaagatgg gttcaccagc ctgcttacga aagagcaagg caaacccctg 420
tcccaggcgg caatggaagt tgagatggcg gtggcatgga tcaagggcct ggcaagcttg 480
gagatacccg aggttgtgct ggagaattca tccgagcgga aaattgtcca acgattcacg 540
cccattggag tgggtcttca ccaggggcgg aagagcgtgc atttcaaggg ccctcaatna 600

<210> 20958
<211> 582
<212> DNA
<213> A.fumigatus

<400> 20958
gttacgcata gtgcggattc ttcggccgcc tgtggtgaag acggaacatg tatcttcatg 60
aaccgtatct ccagcgaaac aattttcact acggcccccg actcagaatc tacaggcctg 120
gtcggtgtca accgcaaagg ccaagtcctg tcggtcagcg ttgatgaggg aactattatc 180
cagtacctga tggagaaccc tgccatgtct ggacttgcgg tgaagctcgc gtcaaaggct 240
ggccttcctg gagcggatca cctctaccag cagcagttcg ataacttgct ggcgcagggc 300
aattattctg aagctgccaa gatcgctgcc aactctcccc ggggcttcct tcgtacaccc 360
gagactatta accgtttcaa aaatgcgcct caaactggcc aacagatgtc tgtcatccta 420
caatacttcg gtatgctctt ggacaaggga tccctcaaca agtatgagag tgttgagctt 480
gtgcgccctg tcctgcaaca gaacaggaag cacctgctgg aaaaatggat gcgtgagaat 540

aagctggaaa cctccgaaga actcggagat atcgtccgac ca 582

<210> 20959
<211> 210
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222>
(172),(173),(174),(175),(176),(177),(178),(179),(180),(181),(182),(183),(184),(185),(186),(187),(188),(189),(190),(191),(192),(193),(194),(195),(196),(197),(198),(199),(210)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20959
agcgccaata agctcggaag gcgaccatat ttagtcgagg ctgcacaggg acttgagctc 60
ggccaattct tgtactcagc cttggaggtt gaggtctatg aaacctggta cttgggagtc 120
aacatctgtc agagatatat caacagactc ctttctcgtc gtcacgtctt cnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnng cgtcttcagn 210

<210> 20960
<211> 369
<212> DNA
<213> A.fumigatus

<400> 20960
ccgctcgtca gtagacaaag gacactcgac gacgaggagt tagattcggg cgacgacatt 60
gatcgctacg acagagccgg agatctcatg gatgaggatg gtgtggaagg ggattatcag 120
gaaactgtga acattatgga cctgagtcta ggccgggcgc ctgagccggt gacttcgaat 180
ggggaggtag gtccagtagg gccgaaaaag agcatgctgt cctgttggct gaccctatac 240
acgcaggtct acacgatgcc agtgccaact ttcttatcga tagagacaga ggagttcgac 300
ccggaaacgt acgtcgcgcc tccattcaat actgcggcga cttccctgtg ctggaggcat 360
gacccgaac 369

<210> 20961
<211> 393
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (33),(40),(192)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20961
aaaattcctt cgggggggtt cccttcatcg ggnagtgatn gttggaatcc caggaaaacc 60
cggaccttgg ttttccggat ttgggggaat ggggaacagc tttcccttgg gtttattgcc 120
atttgcgcca gggccgggaa tccaaggttt tgccttttcc attgttcaac gcgtgtatcc 180
ggaatttttg cntggttccg gcgggcaact tgtaatgttg ggttgggctc gcgcatgatt 240
ggggcaatga caaccgatca ccagttgccc caggtatttg gcaaggtgac caagaagggt 300
gttccttatg tggctgtcat cgccgcttgg ctgtttggac cgttggccta tctcagtaag 360
tctcttcggc tagttataat tgcacatgac taa 393

<210> 20962
<211> 372

<212> DNA
<213> A.fumigatus

<400> 20962
tacattcgct tttatgccgc gctcaaagcg cagggcatcc accgcgacac gttgccgtgg 60
aagggccctc tgcaaccgta tgcggcgtgg gtgggattca tcggatccac catcatcacc 120
cttgtggccg gattccccgt tttcctcaaa ggcaactgga atacctccga cttcgtcgct 180
tcgtatatcg gtattcccat cttcattgtc ccaatcatcg gatggaagtt ctggcaccgc 240
accaaggttc gtcccagatc cctgtatgtc ggcaaggaag ctaacggttg tagtttgctc 300
gcgcagccac tattgaccta tggtctggcc gtctccagga gggagaggtt attgagaaac 360
acaggccgat ga 372

<210> 20963
<211> 237
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (4),(70)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20963
gtangtggct cgatgaagga cattaacaaa ggaaatggga tcatatactg ggggattgaa 60
tacatgcttn cattatttac ttttggagta actggcaaat ggatgggcat aacattgatt 120
gcccttcttg aaatttttac gtataaccca tataagggtc ggggccaggc gtccaatagc 180
attaaaggtt ttcaacttaa ttttgaaagc tttccaatgg tattgcagaa gggttaa 237

<210> 20964
<211> 204
<212> DNA
<213> A.fumigatus

<400> 20964
tattttgacc cctcttttg cgcccatttt gcaaagcttc gaggattgtg tggatgcacc 60
accgccctca tcatcgcgca aagtggatgg agtcgaggag gtcgaactag cagctatatg 120
gctctagcaa tcgatagtga ccaccatgcc gagtccctag tgacctactg gatttacctg 180
tatttttca ctcgcaatgg ctga 204

<210> 20965
<211> 471
<212> DNA
<213> A.fumigatus

<400> 20965
ccgtatttgc tcgatccagg tgccctcgtt tatgatccat gcatcggcca gttcgactac 60
gtgcaagaag aagtgcctgc agtgcccttc gttcagcaga acgcgaacct gttcaacttc 120
aatgcaagct tcatggcgga gctggaaagg ctccaccaga cctgcggcta ccaggatttc 180
atcgataaat acctagtgtt tcctccctcc ggtgtccagc cgcccaagat gttcaactac 240
acgagcgatg cggagtgcga cgtttttgat atgatcaaca ccgccgccat ggctgtcaac 300
ccctgcttcg acatctacga gatcaacctg atgtgtcctc ttgcgtggga tgttcttgcc 360
ttccccacgg aactggtcta ccagcccgcc ggcgccacgg tctactttga tcgcgaagac 420
gtcaagcgtg ccttgcacgc tccgagcatc aagtgggccg agtgcgcgga c 471

<210> 20966
<211> 420

<212> DNA
<213> A.fumigatus

<400> 20966
gtcatcaaac aagacctgct catcaactcg gacgtgccgg accgcatcgg gtgggctttc 60
gggctgggcc ttgagcgcat cgccatgctc ctcttcaaca tcccggacat ccggctgttc 120
tggtcccgcg acgagcgctt cctctctcag ttcaaggccg gccagatcac ccgcttcgag 180
cccttctcca agcatcccgc ctgctacaag gatgtggcgt tctggttgcc atcggcggcc 240
gtgagcgggg gcagcgcggc gggtggtgcc gtgcctatcc acgagaacga tatcatggag 300
attgtccgcg gcgtggcggg ggatctcgtc gaggatgtcc ggctcatcga tgaattcacc 360
catcccaaga cgggaaggaa gagcatgtgt tatcggatca actacaggag tttggagcgc 420

<210> 20967
<211> 582
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (529)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20967
tctctttcta agtggcagta tgattcgcaa atcgctcatg agctcggcaa ggtgccgcca 60
ctggacatgg cgagggagct tatgatggtc tacttcaaag tgtggcatcc cctgtttccg 120
tttctgcatg gccccagctt cctgcgggcg atggagttgc tttactcaga ctcgcacgga 180
actgagggcc agaattatgg gaatatcccg tctacatcta cgtctacgtc tacgtctatg 240
gaccaccgga acgcgtgctg gacgacgatc tttcagtgcg tgttcaacct cgcaagccat 300
ctgcggcccg atctgtccct tccgccggaa tcccgaatca aatccccggg aagcatgcat 360
tctctgcttg ctattctaac gcggaggcag gatctcccgt ccctgcaggc tcttctcgcg 420
gcccagttgt acctggtggc caagatgtct cttcggacgg cgtcaacggt aggcggtagt 480
attctccggt ctatgctgca cgctggtctc catccgatgc ccgtttcgnt atctacacga 540
ccgggaagga agcagcacgt gccggaactg gaaggatcgc gt 582

<210> 20968
<211> 348
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222>
(234),(235),(236),(237),(238),(239),(240),(241),(242),(243),(244),(245),(247),(248),(249)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20968
ccccctcacc cattgcggct ccttccggcc gtggtgaaga ctcggtcgtc tgagggcctc 60
agtcttgaca aaatccttta cggttttggc atcttctatg cccagggaca gaagatcttc 120
ccagaggctg ccacccttgg aactgtcttc tatgtaggtt ccatttcctg tctcagttgg 180
cagagggcgc gtagccttgt gcaccacttc ggaaaggtcc ttaaagcggc tatnnnnnnn 240
nnnnngnnna gcgcccacgt cgccctttgg tggctctcgc gacggctcat tgaaacgttg 300
tacctcatga acacgtttgg gcgcagtgtc aacaaatcta gcatgtga 348

<210> 20969
<211> 237

<212> DNA
<213> A.fumigatus

<400> 20969
agaccaaaca acttgcccca cctaccaaat gagattatcc ttgttattgc cggctattta 60
aatccccacg atctccttct tctatacgcc atacccggta tcataccatt gctgaaccat 120
gctcatcgga cagctgtaga tactgaagga aacaccctgc ttcatatagc ggcagtgaac 180
aatattgctt accatagtat ttatcagacg gattggccgc tactcagtca aacctaa 237

<210> 20970
<211> 186
<212> DNA
<213> A.fumigatus

<400> 20970
gaccatctgt tcaactactc tgtacatatc aaaataatac atctatctat tgcctctatc 60
cggattgatt attgggtata ctgtcttagt attctacaaa tgaagatgcc tattttcagc 120
tccactccct ccactagtgt tgtggatgct gtatccttgt actcaaccac caagccacta 180
gtttaa 186

<210> 20971
<211> 648
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (639),(640)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20971
cagatcctta aatacgatgg ggttgttccg cacagtcgac actctcgaca tacgcggact 60
ccgtatggag tgcagcgtgt cgcgtcaccc gttctaaagc agagtcaaag agccaaaact 120
cccgaaaaat caaccatggc cgaacgaccc cggccgacag tcctccggcg tgtcctgacg 180
gcaatcatcg accccgttga tcgcgaggaa cagggctacc atcaataccc tacaatgcgc 240
ggactccacg acccagaaaa cgagggtcta tccatgggct ccgcgaataa tccccaactc 300
gcccggcgcc tgacggtagc aaccacccac gccagcacct tgatcccccc gtcagacaaa 360
ctgctcgttt tccgcgctct cactggcatc gataccgtcc cggccctagc aatcccgcac 420
catcatccac gtagcgcgcc caacgtcggc atctacacgc gcgtcgtgcg cgccgagcaa 480
gccgccgcac agcaattccg ctttttcagc atcctcatga acacctgcct gggcatccag 540
atcgtggttg cggccgcgct gacggccctc ggcgccgcgc gcgggcccca caacgccgtg 600
tctcacacgg ggctggaagg atacgcggtg agtgctttnn aaaacccg 648

<210> 20972
<211> 768
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (463),(487),(579)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20972
tgggtactat acctctacaa ctccgcaaac ggggatactg gttcgaacca atggtccgag 60
gatgacaagc tggtcggtcg tgaggtcttt acctggcaat cagttctgga tgtgtggcag 120

cgaggtgccg aggcaacccg atggaggatt catgatagcc atctggtgtg ggatcgattt 180
ttggacctgc aagtccagga cctttctcgt cgcccatcgc aagaacgtgc cagccaagtc 240
aaggccttct tcgatgtccg cttgcagacc ccacatgcta cctgggacca gaccttccag 300
gccttttcgg gattcgtgtc gacctactac aacgccaact acgaggagat catggccgac 360
acggcgggtc gacttgcgac gccagtcaaa gagaagtaca acgcgcggga gcatctggag 420
atcaagttgc gcaacgcggt cgatgcgggc gagtttggcc tgnagtgggc ggcgtactcg 480
gagtacnatg actgggaagt gagccgacac cggcggagac gccagtcgga tttcgatctt 540
gtgaacgcta tctaccagcg tgcggtcctg cgtttcccng acgactccaa cctctgggaa 600
gactacgtca tgttcctcat tgaccagaat acgcacggca acgcgggagc gaccacaata 660
tcgacgctcg atagagccac caggcattgg ccctgctctg gtacccttg gtcgcagtac 720
ctcctaagct ccgagcgggg atggcaatct ttccaaccgg atcgctga 768

<210> 20973
<211> 360
<212> DNA
<213> A.fumigatus

<400> 20973
cacatcgcag gtatccggaa cgctcccgtc ccgttcttca tcaagccgtt gacgggcatg 60
gtcgcgtcaa aggttgagca ggcgttcgtc acgccaaact tgacctcgca ctttgagttc 120
cttgaggatc agctgaagac tgtgccggga ggcggccctt acctctgcgg taaggagctg 180
acggctgcgg atatcatgat gagcttccct gttattgcgt ccttgattaa aatgcctgat 240
ctccggggtc ggtatccgag gttggcggag tacacggacc aattgcaggc gatggacgga 300
tacaagcggg ctgttgccaa ggtggaagag atagaagggt cgttctctgc ttatgcctga 360

<210> 20974
<211> 528
<212> DNA
<213> A.fumigatus

<400> 20974
tattctgatt caggctctca gtatgccaaa tccgagaatt gccctctgaa tgtctgctgc 60
agcgagtatg gcttctgtgg aacaaccacg ggcttttgcg gcgacgctac tgttgctgag 120
ccagtatgcg acggaacttc ggcaacgaag aagactatcg catactacga gggttggaac 180
tctgagcgtg cctgtgacac catgccacca gagaatattc cgattggcgg ttacacgcac 240
atcaatttcg cttttctgta cattgaccct gatctttaca cgataaagcc gatggaaact 300
tctcagcaag agctctacag tcgcgtcacc gcgctgaaaa agcgcaaaaa tggcttagaa 360
gtctggattt cgatcggtgg atgggccttc aatgaccctg gaccgactgc taacaccttt 420
tccgagctgg cggcatccaa gtccaagcaa tcgacctttt tcgagtcatt attgagcttt 480
ttggacaaat acggatttga tggcgtggat ctggattggt attgctag 528

<210> 20975
<211> 438
<212> DNA
<213> A.fumigatus

<400> 20975
acgaaagctg tcctcaaatt tatcgccccg tacacgcgat tttcgctcag cttcatctcc 60
aagcacatca agatatctgt cccggaagta caggatatcc tgagttactt gatccttgac 120
aagaagttaa atgccaagat tgaccaagaa aacggaacgg ttgttgttga aagtgccagc 180
gatgtggatc gattgcgtgc ccttcaggac tggagcgcgt cgctccgaag cctctggcag 240
gcgacattaa tcgacggcga aggattcaag agcgacgacc cggcgcaact tcatgggatg 300
agaggggttt caatgctcca atcagcgttt ggagacgagg cgcctaccgc gggtttacgt 360
gccagcaact ttcgagtacg gacagggtgg aagggcaagg gtggccaggg ttccaaggcc 420
ggtgtaggag ccttctag 438

<210> 20976
<211> 378
<212> DNA
<213> A.fumigatus

<400> 20976
tttcctgatt cgcatgagac agtctgcggc tcttgtggtc tggtactcgc tgaccgagag 60
atcgacatgc actctgaatg gcgtacgttc tccaacgatg accataataa cgacgacccc 120
tcgcgtgtcg gatatgccac aaatcctctg ttgaacggcg accagcttga gacccatatc 180
gccagcggag gctctggtcg cgcgcgacaa ttgtaccggg cgcaaaacaa gcagtcgagc 240
gataaagcga ataaggctct gttggccgcc tacaatgaaa tcggggcgct gtgtgatgga 300
ttcaacattc aaaataacgt cccggatacc gtcaaatttc tcttcaagat cgtggtacat 360
gcccaggcgt tcaaatga 378

<210> 20977
<211> 261
<212> DNA
<213> A.fumigatus

<400> 20977
agatcacatg aaattctcat tggcggctgc atcttcattg cttgccgcca atgcaaaatt 60
cctcggacct tcaccgaata tttcgacgtc actaaggtcc ccccaaaaga gatgggtatg 120
atctacaagg ctcttgaaaa attcttcacg gttcaaaaac tggaacggga ttcatgcgtc 180
gttttctatt ggtggtgttc ccgaattcca acgagggctt atcttgccaa caatttctac 240
aatccctctt tgaactttct t 261

<210> 20978
<211> 273
<212> DNA
<213> A.fumigatus

<400> 20978
gcggccaaca gagccttatt cgctttatcg ctcgactgct tgttttgcgc ccggtacaat 60
tgtcgcgcgc gaccagagcc tccgctggcg atatgggtct caagctggtc gccgttcaac 120
agaggatttg tggcatatcc gacacgcgag gggtcgtcgt tattatggtc atcgttggag 180
aacgtacgcc attcagagtg catgtcgatc tctcggtcag cgagtaccag accacaagag 240
ccgcagactg tctcatgcga atcaggaaac tag 273

<210> 20979
<211> 552
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (237),(519)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20979
gtgctcgaat tcgttcagcg agccagaaag gccgaggttt cggctgttga gagcacacga 60
gactttcccg aggatcgcag gctgaaccgc atacttgctg ccgatagcat tgtccttgtg 120
aagaacgagt ccgggctgtt gccgctcaac ccgcagacgt tgacgagtgt cgccatgata 180
gggccaaaca tgaagactgc ggcgttctgc ggaggaggtt cggcgtcgct tcaaccntac 240
tacagcacct cgccgtacca gggaatcacg agccagctcc cgccgggcgt cgaggttctt 300
tacgagacgg gcgctacctc gtatgctttc atcccggagc tggcggcgtc agaggtgcgc 360
acgccggaag gccagcctgg gctgggaatg cgcttctacc gagacccgcc ctccgtccaa 420

gaacggcgcg tggtggagga gaccatcatc caggagtcct cgtggcagct gatgggcttc 480
tccaacccgg agttggaccg cctcttccac gcacacatnt acacgactgg gctagaagca 540
aagcgtgcgg ga 552

<210> 20980
<211> 273
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (266)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20980
gagaccatgg ccctggatgg cgagaccaac ctcaagagca aacagccttg ccagtcagtg 60
gcaaaagtgt gtgggacagt ggaagacatg tgcagcaact ctattcactt tgctgtggag 120
gacccgaata tcgatttata caaatttgat ggcaatgtga ttgtgaacgc ggataagctg 180
cccctcacga atactgaagt tgtttaccgc ggcagtattc ttcgaaagtc ttcaccacgg 240
ggctggatgg tccaggcagc agcgtntatc aga 273

<210> 20981
<211> 192
<212> DNA
<213> A.fumigatus

<400> 20981
tttacgatga tagaccagcc cacatactac catttccaca tccacgtggt caacgtcatg 60
cttgaggcgg gtgcgacaca agttacaggc aaagccttcg gactggaaaa tcttatttct 120
caatttgaga ccctgggacg ggatcaagac gcatgcatga cgggtctcac aacggccgag 180
aggtcttcaa tt 192

<210> 20982
<211> 576
<212> DNA
<213> A.fumigatus

<400> 20982
gagaccatga catataccga tggtacttgg cgaatacagg cgcaggccca gggtggacag 60
cagtttcatg atctcaaact gaatctcatt tggccttgca cggaacagca catcaaaaag 120
tactctgatc agcaactacg catggtgacc gagacaccgg agatttaccg tgactatgtg 180
cgcccatata tgagcgctca gcgcgaagaa gggagattga actgggtctt caacatcctt 240
gaaggccgga cggagcagga ggacataatt cttcgggacg cgggtgaagg ccccgatgat 300
gggtttctga tgctccctga cctcaactgg gacagaaaaa caatgagctc tctgcatctg 360
ctcgctcttg tgcagcgacg agatatctgg agtttgcgtg atctcaagaa gaagcatatc 420
ccttggttac ggtatctgag gcagaggctg cttgagggaa cagtgaagat gtatccagaa 480
ttggagcagg accagctcaa gctgtatgtt cattgtaagt attattcatt aggtggtttt 540
gcctgggtcg acggaatgtg tactgattta cgatga 576

<210> 20983
<211> 213
<212> DNA
<213> A.fumigatus

<400> 20983
atcagcggat tagaagctga tcagagggtt cttgctgctc atggtgttta tgctctaaca 60

gcaacgacgg gtttaaccgc ccagaacacc ttgggggtgc aagacatttt tatcgtccct 120
gcacagtttg tgaagaagca gatcaatgct gggttggagg atgtgggagc agatggtctt 180
caccacgggc ttagaggcat cattgcttgg atc 213

<210> 20984
<211> 804
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (29),(115),(801),(804)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20984
acggttctta acgtgtcgct tttcaaaana cctaaccccc cggcaagagc cacggtggcc 60
tgcggagatg agcttcctga gggcgtgaat gtcatggtct cattcattgt tgatntggga 120
gacagagatg cccgacaagg ccttcatgtt cagtctcgtt cgtactgggc accagccaac 180
attgggccgt attcgcaagc catgtctatt cctctgcgag gagccgaaca tatagtatac 240
attgcagggc agataccttt agagccggcc tttatgcaaa tggtctgtga tagtgcacct 300
acggaggaac gatcgtggct ttcggactac tctctacggg cagtgctctc tcttcagcac 360
atgtggagga ttggtgtaac catgcatgtc gactggtggc ttggagcagt tgcatttatt 420
acaggtgcag aaaacatcgc tgctaaggct caagtagcct ggcacatctg ggagactatg 480
aaccgcaaac gcgacgatga gtcgatcgac gaagaagaat cttcgttcga tgtgtgggat 540
atcaaatacg gacggaggac agaggagcag acccccaagg cgacggtctc ggcttcgata 600
ccgaacttcg aggtgctacg atcgagcgga gtaactcctc ccttcctagc cgtccaagtc 660
gaagaacttc ctcgcgccag tgacattgaa tggcaaggcc tgggctatcg ctgcgatggg 720
ctggaattga acgcagaaga aacagaccaa ggacgtatca gtcttcacgc accggggctg 780
gaaggaaacg cgctccggcg ncan 804

<210> 20985
<211> 507
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222>
(59),(70),(108),(116),(117),(233),(234),(290),(291),(301),(302),(309),(322),(33
4),(335),(336),(337),(340),(343),(346),(347),(348),(349),(353),(355),(356),(357
),(358),(359),(360),(362),(363),(364),(365),(366),(368),(369),(370),(371),(373)
,(374),(375),(376),(378),(379),(380),(381),(382),(383),(385)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20985
ccaagaaaac agaggaagca gccaagaagg aggaaaaacc cccccgaggg acccccacna 60
aggaggaaan gagggccccg gaaacggaag aggaaaagac acacgganca acgaanngac 120
ccacagggga aggcaagaaa aaaacaaagc ggcccccaag aaaccagaaa cacggggagg 180
aaaccaggca acgcagagaa acaccccaca cccaaaggaa gaagagggcc ccnncccccа 240
caggaggagg ggaaagacaa accccaaccc gaagcaagac gggaggcccn naacagaaat 300
nngacaaana aacgacgttg gnaggggagg gggnnnnatn gangcnnnng aangnnnnnn 360
gnnnnnannn ngnnnngnnn nnnanaccac ccccaaaccc accatcacca tcctcaatac 420
ctccctccgc caagtcccat ccagcacaaa gttcgacctc atcgtctcac cagcaaactc 480
ctacggccga ctcgatggcg cctttga 507

<210> 20986

<211> 945
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222>
(58),(69),(107),(115),(116),(232),(233),(289),(290),(300),(301),(308),(321),(333),(334),(335),(336),(339),(342),(345),(346),(347),(348),(352),(354),(355),(356),(357),(358),(359),(361),(362),(363),(364),(365),(367),(368),(369),(370),(372),(373),(374),(375),(377),(378),(379),(380),(381),(382),(384)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20986
caagaaaaca gaggaagcag ccaagaagga ggaaaaaccc ccccgaggga cccccacnaa 60
ggaggaaang agggccccgg aaacggaaga ggaaaagaca cacggancaa cgaanngacc 120
cacaggggaa ggcaagaaaa aaacaaagcg gcccccaaga aaccagaaac acggggagga 180
aaccaggcaa cgcagagaaa caccccacac ccaaaggaag aagagggccc cnnccccccac 240
aggaggaggg gaaagacaaa ccccaacccg aagcaagacg ggaggcccnn aacagaaatn 300
ngacaaanaa acgacgttgg naggggaggg ggnnnnnatng angcnnnnga angnnnnnng 360
nnnnnannnn gnnnngnnnn nnanaccacc cccaaaccca ccatcaccat cctcaatacc 420
tccctccgcc aagtcccatc cagcacaaag ttcgacctca tcgtctcacc agcaaactcc 480
tacggccgac tcgatggcgc ctttgatgac gccatatccc gcgttttctg ccagccccca 540
aagcacgaat acaacactct caccgaggca acgcagaaag tcctctacaa gcagtggagg 600
ggtttcgcgc ccccagggac atgtaccctc gtccccttc cggatgaact aatcggggaa 660
aacgaatggg gctgtcgctg ggtggcgatt tgccccacca tgcggtaccc ggatcgggtc 720
acttgggacc gcgagatcgt gtatgagtgt gtgtggagtc tgttgtgcca ggtcgagggg 780
tggaatcgcg gctgcaagaa agagaagcgg attgagtcca ttctgattac cccactggcg 840
acgggggtgg gaaaggtgag tgcggcaaag tgggcggcgc agtttgtgct ggcgatgagg 900
cattttgtct tcacccaccg gggctggaag gacacgcgat ccgga 945

<210> 20987
<211> 738
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (85),(688),(695),(713),(715),(716)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20987
tgcggcactc ttaatcagta ctatttcggc gaagcttttg acgagcaaag ggtcaccggt 60
gcagaaatcg aaagaggtgt gatcngcttg tacagcaact tggtgcgttt cggttatttc 120
gatggcaatg aaagcgtgta tcgggacttg acgtggaatg atgtcgtgac cacggatgcc 180
tggaatatct catacgaagc cgctgtagaa ggcattgtcc tactgaagaa cgatggaacc 240
ttgcctctcg ccaagtcggt ccgcagtgtt gcattgattg ggccttggat gaatgtgacg 300
actcagcttc agggcaacta ctttggaccg gcgccttatc tgattagtcc gttgaatgcc 360
ttccagaatt ctgacttgga cgtgaactac gctttcggca cgaacatttc atcccactcc 420
acagatgggt tttccgaggc gttgtctgca gcgaagaaat ccgacgtcat catattcgcg 480
ggcgggattg acaacacttt ggaagcagaa gccatggatc gcatgaatat cacatggccc 540
ggcaatcagc tacagctcat cgaccagttg agccaactcg gcaaaccgct gatcgtcctc 600
cagatgggcg gcggccaagt cgactcctcc tcgctcaagt ccaacaagaa tgtcaactcc 660
ctgtctgggg tggatacccg agtcttcncc gaggntgcaa aggccctcaa aananngtcc 720
tcacttggga ggggctcc 738

<210> 20988
<211> 252
<212> DNA
<213> A.fumigatus

<400> 20988
cagagccatt cgacgcttac ggtgttggcg gctgtccagc tgaagagtgc ggagttggct 60
cgcgcggctt gggaccagtt cttgcatacg gatgggtata cggaggagca tgactggagg 120
gttgttgaga cggcgccgcc agagtacttt acgcatgggg aggaggctga gtggattacg 180
acgaatgagg atgcgaggta cggtgtgtct gctatgttca atctggcgaa tatcagggag 240
tatctaagat ag 252

<210> 20989
<211> 183
<212> DNA
<213> A.fumigatus

<400> 20989
gatagactcg gtctcttgat ggccatccaa ccttacaccc ttcctcccca tagtaccccc 60
cacaacaccc atacacaaac ccctcaggat gatcctcccg attctcctcc gtatcaatct 120
cctcgtcttc ccagagatcg ataccgttcc agtactcctt atcatataca gcctcctcta 180
tag 183

<210> 20990
<211> 183
<212> DNA
<213> A.fumigatus

<400> 20990
gcgggagtat gccatctaaa ctctaacgat tattcttgta cttctgcagc cgccggtcta 60
cccaaaatta tgtactactg tcgatttaga ttgatcgcgc cgcttttcac ctgtggtttc 120
cagaatgatc aacctgcggc tgctccgagt cacagcccag gggtcgttta cccccagatg 180
tga 183

<210> 20991
<211> 183
<212> DNA
<213> A.fumigatus

<400> 20991
gttccacggg ggatctatca gcactccaat gcctccctta ctctggtatc aacgatgcac 60
gttagaatcc tccgcggtgg atgtgaagtg gagcagtgga attgcgtcac atctgggggt 120
aaacgacccc tgggctgtga ctcggagcag ccgcaggttg atcattctgg aaaccacagg 180
tga 183

<210> 20992
<211> 315
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (208),(285)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20992

gagttgcgga aaactacact tcgcttgcca tcagttgtaa taccccacca gccggacacc 60
atggaaagtg gttctgagga agaaattgac atccagtaca ccgactggga atctgagacg 120
gacccaacgg cttcggagtc cgacgaggcg ttcattgttt atgatgacga acctattgag 180
atggaagact acgactcgag ttatgtcnct acagaaagcg aagaaatcgc cctcgttcac 240
taccgtctca gactatggag aaacattcaa cgaagtaaga tgacncttcc tcgccggctt 300
gccagctact tatga 315

<210> 20993
<211> 765
<212> DNA
<213> A.fumigatus

<400> 20993
ggacgcgtta tctctacccc gcgtgaagac tacgacgtca gcatgaagta cggggtacga 60
gcgacaccga ccttcatgac gttcctcaag ggcaagaaac tcgacgaatg gagcggtgca 120
gacccggcca agctgcgcgg caacgtgcgt ctactcatcg agatggccca tccgactcat 180
cgccatcgcc aactccatct ccccagcttt cagcgtcatc tatccaactt cgtcatgtac 240
aagaaggttc ctccgctcga caaagttgtc cagagactcc agcctcacca cgaggacccg 300
cgtctcaagt ccatgatcgc cttcatcacc gcccgctcat catcaaccac acccaccagc 360
ccagcagcag acgtcgccct ccccgaagcc ctcccaacct tcgcctccta tctccaatcc 420
acctttcacg ccctccctcc agaaaaccag ttcgccctcg tcgacctcgc ccgtctcctc 480
ttcctcgaca cgagggtatc aagcttcttt gccgaacaac ccaaccacac caccctcctc 540
aacctcctct ccccatccac gaaactctcc tcctgccccc acaatcttcg gatcgtcatg 600
ctccaactca tctgcaacct cttcagctcc ccgctctacc tcgaccatct caccacaaat 660
accgccaaca agaacaaact ccacaccaca gtcctaaacc tcgcaacatc ctccctccta 720
gaaccgcatc caaacctccg caccgtcgcc gcctctctaa cctaa 765

<210> 20994
<211> 522
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (43)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20994
gacagatcgg cttccctgga gccatgtttg gacgggttca ccntgagaga ctttctgtct 60
gggctagaaa ggacagtcca gagaaatgaa acgacgttga ccgagtataa tcgcattcgt 120
ccagatcccc caatgatcga ggcatctaac gaaaacgccc cgctcactcg taaagaaatg 180
tcgcgacagg ttcaaacctt gcttacccca gagacaacac tatttgtgga cacgggagac 240
tcgtggttca acggaatcaa gatgagattg ccccatggta ccaagtttga gattgaaatg 300
caatggggtc atatcggatg gtcaataccg gcatcgtgcg gctatactgt cgcagaatcc 360
caacgtcagg tggtagtgat ggtcggcgac ggtgcattcc agatgacagc ccaagaggtc 420
tcgcagatga ttcggtacaa gaccccagtg atcatcatct tggtcaacaa ccagggctat 480
acaatcgagg tggaaatcca caatggtatc tataaccaga tc 522

<210> 20995
<211> 309
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (13),(20),(77)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20995
caattcgttc gcngtaacgn ccgccacgaa gaggccaaga tggtcctcga cgagttatcc 60
tcggatctgg aatcggncgg catccactcg caggcgatgg cagaccgcgc cactagcctt 120
cgagcacagg cacgcgcgca gggcctcatc ggcatggagc ggtccctgtc catgctcatt 180
tggaactact accttgccag cgtggatcag cactcgtccg aggccgtcac tctggccgaa 240
gacctcgccg acgaactgat gtccacccat acgacggttg acagtctcgc ggggctgtct 300
ccagagtag 309

<210> 20996
<211> 486
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (457),(460),(461),(464),(468),(474),(476)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 20996
cgtatctaca tccacagtct gatggacagc attgcgtcgt cgggcagcgg tcgccattcc 60
acgtctgttc tgagactgtg tcacgacctc tgcaccctgc atggccgcga gggacagtgg 120
aaacagggca gtgactgcgc ctggtcagtc ctgaagcatg tctggccgga tgtccacaat 180
cctacctccg aggccaagtt ccgatcggac cgcgccccgt tgattgcgaa tatcgttctc 240
gactacgcgt actgtctttt ccgtcggctg gacgttgcca atgccacgac ggtctatgga 300
aacgcgttca aggcgtctat taccgcggag aaagtgaccg tgccacatct cacggctgtt 360
gtcaagaccg tggttgaatt ttatgaaacc acattccagt tttctaaggc gctcgtcctg 420
ctgcgtcttc accacggttg caaggacgtc caaaaangan ntcntaanaa aggngntcga 480
tgggga 486

<210> 20997
<211> 609
<212> DNA
<213> A.fumigatus

<400> 20997
tggccattgc agcggctcct tgaaccccgc ggtgaagacg ccggaaaata tggcgaggac 60
tccaagctta tctacgacct ccaggatcaa ggtggcgagc tctgctctct tcgctacgat 120
ctgaccgtcc cctttgctcg ctggctcgcc atgaaccccg acgtgcgcag catcaaacgc 180
taccacattg ccaaggtgta tcgccgtgat cagcctgctg tgagcaaggg ccgcatgcgc 240
gaattctacc aatgtgattt tgatattgcc ggtgcttttg atcctatggt ttccgatgca 300
gaggttctac ggatcgtgac agaagtcttt gaggagcttg gatggcaggg gcgttatact 360
atcaaggtca accaccgaaa gatcctggac ggtgtcttcg aggtctgcgg ggtgccgccc 420
gagaagatcc gtcctatctc tagcgccgtt gataagctgg ataaaatgtc ctgggccgat 480
gtgcggaagg aaatggtcga ggagaaggga ctgcatggcg aggtggctga caagatcgag 540
aagtacgtgg ctggcaaggg cgctcgggat ctactcgagt ccctatggaa ggacgagtct 600
ttaactgcg 609

<210> 20998
<211> 555
<212> DNA
<213> A.fumigatus

<400> 20998
cagtgccgta tcaccaccga agacccggcc aacggcttca gacccgatac tggaaagatc 60

gaagtctacc gttccgctgg tggaaacggc gttcgtctgg acggtggcaa cggtttcgcg 120
ggtgccatca tctcccctca ctacgactcc atgctggtca agtgtacctg ccgtggttcc 180
acatacgaga ttgcgcgccg caaggtcgtg cgtgccctgg tcgaattccg tattcgcggt 240
gtcaagacca acattccgtt cctcacctca ctgctgagcc accccacctt cattgatggc 300
acgtgctgga ccaccttcat cgatgacact cccgagctgt tcgctcttat cggcagccag 360
aaccgtgccc agaaacttct tgcctacttg ggtgatgtcg ccgttaacgg cagcagcatc 420
aagggccaga tcggtgagcc taagctcaag ggcgagatca tcaagcctac cctgctggac 480
gatgccggta agccgattga cctgagcgtt cccctgcttt cttacaccag acgggaggcg 540
aaggatcatg cgtaa 555

<210> 20999
<211> 270
<212> DNA
<213> A.fumigatus

<400> 20999
aacagcacgt tgccgacgcg gaagcagaag atcgcgggga tccagagcat gacggctgtt 60
attgagggga tcacgccggg tagcggagcg tacagtaacg aggcgaaccc gttcactatc 120
aactggcgcg aggcgtggtg gggcgagaac tacgagcgct tgctccgcgt gaagaacaag 180
tatgatcctc gggggttgtt gaagtgctgg aaatgcgttg ggtgggagga gtctgatgct 240
gccacttcgc cttttgcggc gtttgtctga 270

<210> 21000
<211> 225
<212> DNA
<213> A.fumigatus

<400> 21000
acaatgatgt tggatggtgt cccccaaccg ccggaaccca ttgaggccaa acagaatgat 60
caggagaagg cacttgatga cggtgccgac ttgaaaccaa tcgacaatac cccttacatt 120
gatcctttcg gcgacgagca aaatgcagaa gtcaagtaca agaccctcaa gtggtggtac 180
gtattgcggt cccgatctat ctacgacaag ggtgtcgata gctga 225

<210> 21001
<211> 204
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (77)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21001
ggaccatgtc cggataatat aaccgggaaa gacatcggac atctatcgtg gatatgtatg 60
tctgcgctga tggctangga atgtcaggct cgcaatgcac tgttcatccc tatcggttat 120
atggctccta caggcatcag catcacttca gcttgtgcat gtcatacgag gaatgctaat 180
gctaatgcta atgctctagt ttag 204

<210> 21002
<211> 603
<212> DNA
<213> A.fumigatus

<220>
<221> unsure

<222> (60),(67),(84),(115)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21002
tcaccagttt tactccccaa accagtcgac tggctaacca atatcgacgt ctggggttcn 60
agcatgntgc ccggtgcaag cagntatacg ccgccggacg acgtggtcaa gttcntgcaa 120
gacgggcccc cacccatata tgtcgggttt gggtccatcg tcgtcgataa cccaacgaaa 180
ctcaccagga ttgtctttga ggcgattgtc aaaaccggcc agcgcgcctt cgtcaacaaa 240
ggctggggca acatcggcgc gggggaagcc gaaatccccc agaacgtgtt tatggtcggc 300
agctgtccgc acgactggct gttccagtac gtctcatgcg tggtccatca cggcggagca 360
ggaacgacag cagctgggct cgcgctaggc cgaccgacta tcatcattcc tttcttcggc 420
gaccagccct tctggggctc gatagtgtac cgagccggtg caggccccgc acccatccca 480
tataaacagc tgaacgcgga aaagctcgcc gacgcgatcg acaaggctct cgggccggag 540
atgcaagaga aggcaggcga gatcggcgcg acgatggtct tcaccacggg tggaaatccg 600
cgt 603

<210> 21003
<211> 249
<212> DNA
<213> A.fumigatus

<400> 21003
cctagggcta tctgggcgcg ttccctggac tttacacagg caacatcttt ccctccaatc 60
acctccggtc cggcctccgg aactgtgctg ccatgtttgc ctaaagcgcc tcacacccct 120
gccgcctatc caccacggcc cctgggatcc gaaaatgaaa gcctaaaagg aatggggttc 180
ccccccgcc ccccaaacct ttccgaagcc gaaaggattg caccgggccc ccaggccccc 240
aagaaggcc 249

<210> 21004
<211> 456
<212> DNA
<213> A.fumigatus

<400> 21004
taccagaacc atcttacctc atacttacgc gatcagatct gcggcgtcaa aggcgccctg 60
gcctgtgcct cctacacggc ggccaccatc tggccctaca aactcatcat gcacctcctc 120
gtcagcctcc tagcttcagg aaaggtcaac ctccaaaccc acacgccggc caccgcagtc 180
acaccatctg cagatggtaa attcacaatc gacacccctc gcggctccct ccacgccaac 240
aaggtcatcc acacctccaa cgcctacgtc tcctccctcc tcccgcagta caaacacaac 300
atcatccccc gcaaaggcat ttgctgccgc atcaccgtcc cagaagggca aaccgcccca 360
cttctcacca actcctacat cgaccgcacc aaggacaacg tcctatcgta tcttatcccc 420
cgcgcagacg ggagcatcat cgtcggcggc gcgtcg 456

<210> 21005
<211> 294
<212> DNA
<213> A.fumigatus

<400> 21005
gggagcaagc acaataaagc gattatcctg tcctccatcc cccatcccta tccccaccag 60
cagcacattc ccgtcaacaa caagaccgaa aaccatccag tccgatttgc aatgcgccat 120
ccggctcacg aatcgatcca gtcggactct acccctttgc tctcagcgca gcggatgtgc 180
cagggtctcg ctgtttgcta cctgcgcaga aaactcattg tcgtgtcttt gctattgtct 240
agctgcagcc atctcatctt gtcttacacc gacggcgatg gaaggacacg agac 294

<210> 21006

<211> 477
<212> DNA
<213> A.fumigatus

<400> 21006
gccggtgttt ctttggaggc agattcctat aaagccgatg cgtctctgtc tgagcaggga 60
gaggactacg caaagaaaat gactgaacgt ctcctgcagc atagggaatc tgaaaaacag 120
gccatgatcg accgtggaga gacggattat gaactcaaac cactgacagt ttggacatcc 180
acaagacgca ggacggttga gaccgcgaaa tatttatatg aaaaggggta caaagtccgg 240
caacgctcac aaatgagcca gctgaaccct ggtgtttgcg agaaaatgtc tgagcgaaga 300
attcgcgaag agtatccgga cgaggtggct aagcatgagc tcgatcctta ccaccatcgg 360
taccctcgag cggaggtcag tttaatttca gcttcaaatc tgacgttgac cacccgagct 420
taccactatg acagtcctac catgaccttg cggtgcgact tgaacccatc attttag 477

<210> 21007
<211> 210
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (5),(93)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21007
cccantaacc caaaggtact gcgctacctc cgtggggcag tctcttggga ccagaactgg 60
gaccacatga ggtcagaagg cgagactact tgncttgcga gctttaccct tactactgga 120
accagactaa aaaacctggc ccgggctggt atgccttggt gtcatccaag ggccaaatcc 180
gccccggtcg gttattttgg ggccccattg 210

<210> 21008
<211> 189
<212> DNA
<213> A.fumigatus

<400> 21008
caattcgcat gtacccccga gggttatata atgcgcgagt gtatcaccaa cgatgcaaga 60
attgcagagc ccttggtcgg ccagtccttg atcatgagtg ctatgcggaa agagtggcat 120
actggctcaa aaaatggaat ggaatcttca ccacgggggt cgaaggtccg ccgctatgcg 180
tatagtaac 189

<210> 21009
<211> 846
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (78),(102),(145),(178),(238),(279)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21009
ggcaaccatc ttttgggtcc caaggcctcc tttcccatgg ccgaacccaa ccaatttcct 60
tttctttccc caaggggnca aagcccggaa acccctccgt cngcaaccag tccctccttt 120
cacaccccat caccagcagc gccgnccatc atgaagactg gcaccgcaaa aggctcgncg 180
aacgccatcc tcgagcattt aggctatact cccgaactgt cccgcaaccg gtccgtcntg 240

caggtcgcct ttatgtgctt tatcctctcc tccgtcccnt acggtctggc taccaccttc 300
ttctacccac tcgccgccga aggcccgtcc accatcgtct ggggctggat tatcgtctcc 360
ctcgttatcc tgtgtgtagc catctcgctg gccgagatca cctccgtcta tcccactgcc 420
ggtggcgtct actaccagac ctttgcccta tcgccccccc ggtgccgtcg cgccgccgcc 480
tggatctgtg gatgggccta tgtcctcggc aatatcacca ttaccctggc tgtaaacttt 540
gggaccaccc tgttctttgt cgcctgtctc aatgtcttcg aatccgagcc cggtgtcggg 600
attgtagatg acatgcagac ctaccagatc tacctcatct tcctcgccat caccctgttg 660
acccatgcga tctcgtccct aggcaacaaa tggctcccca gtctggaggt atgtttcttt 720
tcttttcttt tctttttttt atttattttc caatgttttc cctccgttgc gacccgtgtg 780
tcttggctcc caatgcgact tctcatgcgt ttcgtctccc catatagatt tcggccatct 840
tcttga 846

<210> 21010
<211> 186
<212> DNA
<213> A.fumigatus

<400> 21010
agaaatggac tcaatcagat tgtcgtgatt cgtcttactc aaggggaaat gagttccggg 60
gtaacacaca ctctctcaac cttgaaccca gaaacatgcc ccgaggacaa ggccaccgct 120
cttcccgtct ctaggtgtcg acaaatcgtc ttcacctaca ggagccgcgg caccgcgcat 180
gctatg 186

<210> 21011
<211> 189
<212> DNA
<213> A.fumigatus

<400> 21011
atcaagctgt tgttgatcgg ggactccggc gtggggaagt catgctgtct tctgcgattc 60
agtgaggatt cgttcacccc ctcattcatc actacgattg gaatcgactt taagatccgc 120
acaattgaac tggacggcga acgcgtgaag cttcaaatat gggatactgc atgtcaggag 180
cggtttcga 189

<210> 21012
<211> 201
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (49)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21012
ccctttttgga cgcgatactt tccagccccg ggccgtgtag acaggcttng gaaggtcaag 60
cacatcatct ggctggagaa gcacctgagg tcgatgtgcc gagagcgatc aaagggattg 120
ccactccaat acattctggg tgaccagcca tttggagatc ttgaaatact ttgcgagaga 180
ggggtgctga tccccaggtg a 201

<210> 21013
<211> 564
<212> DNA
<213> A.fumigatus

<220>

<221> unsure
<222> (161),(167)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21013
tttgcgacca acctgactgc agatgctgct agtgcgtaca cactattgtc atggattgga 60
gatacatcct ggttggacat gacagcgtat aactatgttc cttcatatag ccttactgga 120
ccatctacga gcacgaactc gagcactacc actcctgctt ntactgntac cccctccgcc 180
accgcaactg caacgtgggg tcatcctacc agcggaacca ctcccccagc aggcgcggtc 240
attgtctctc aaggagggtc ggtgaactgg tcgtatagca acttgacaga tgcattagct 300
gctttaccca atgatgcttc gactcagatc atcttcatat atccagacac ctacaccgag 360
caggttccat caatcaatcg gaaagggcct gttcagatca tcggctacca gtctggaaac 420
cctggcaaga cttacaggac caaccaagtt actatcactt ttgcccgcgg cctgtctgtg 480
tctccactgc cgacgggtca ctctgacgca gagacggcga ccctgtcgac gtcttacacg 540
cccggcggcg gaaggaacgc agta 564

<210> 21014
<211> 213
<212> DNA
<213> A.fumigatus

<400> 21014
tctcctcttt gccctcccct ttatctcttt ttagtcacca tctctgcata ccccaaactc 60
gcagcttcct acctgtcact cttccccggt gacattccat tgctcggagt ggatcacctc 120
gtcgccgatc ctatcttctt tctccctctt ctcccaacca ctcggctgct gcacctgaga 180
attatctgtt tatttatttt tcgtcgtttc taa 213

<210> 21015
<211> 261
<212> DNA
<213> A.fumigatus

<400> 21015
acttgttact ttccagccgc cgtcgtgaag atctctctcg tcaacttctg cagtcttctt 60
ccctcctttc gccccccctc attccctcta cccttgtcac gagcaatcag ggtgacagct 120
gattctttgc agcttctctt ggttgactct tgcccccagc tcacctatac ccccctcccc 180
ccccacattt ccttaggact gtggttgtgt tacatttaca agctgttaaa tcccactcgg 240
ttggacggtc ttctctctta a 261

<210> 21016
<211> 588
<212> DNA
<213> A.fumigatus

<400> 21016
cagcaacaag aggaggagaa gagtcgcaat atcctgccca agtcttcgtc gtcctccagc 60
gttgacaacc cacgaaaaca gaccgagaag attgcgaccg agtgcatact ttacggttac 120
aggagcaagg atggcgagtg gaaggtcatc gataagtacg agaagatctc tcgaggcttg 180
atctgtgagg attatcctcg tagcgatccg aactcgacga atggcttcgc gcaactgctt 240
agtggtggcg acgtggttat ccggtctaat ctatctgcgg atgcgaaccg caaatcgaaa 300
cgctacgctg gaggtttcca ctggatcaag gtgacgtttg actcaacgat cgctgcggat 360
cgcgcatgct tctactctcc ccaggagatc gacgggcatc tcgtcttctg tgaactatat 420
catggctcgg gacctgcaga ggatgctcca attcctgtgg actcatcaag agccgtccag 480
ttcaagtcga aagcgccgcg caccttaacc acttcgcact ttactacatt tctccacccg 540
caggataaag accgtcttac acgccagcgg gcggaaggta tggagtag 588

<210> 21017
<211> 216
<212> DNA
<213> A.fumigatus

<400> 21017
actgccgaag tcgggttcac tgtaccaaat tcgtggactc attggcaaga tgcagaagct 60
cgaggagaga gttcaatctg caaaatccaa actgccaccc ccgtcggatt caccatctcg 120
tacgtcttct cgttcggggt cgatattggg cgagagtcct gttgcatcta caataacggc 180
acgaagaaac tcgcgcaaac ggttgagtgg gagtag 216

<210> 21018
<211> 1044
<212> DNA
<213> A.fumigatus

<400> 21018
cccaagttag ccccggtcac cgccaatatc caattcgtca aaagcctggg caagccaatg 60
aatgttaggc cgggttccct tttcagaagg cctcgggttt ctaactcgtc ctttggaagt 120
cggtcctgca atgggtctcg gactcagaac catacaaacc attggcgtgc acaatcctac 180
gcttttacga gcacccgtcc cacgccgtca gttaggattc ggcccggctt acccaagccg 240
aaccccaagc ccaatgaaaa caccaccagg catattaata atgctcggtc gtctgaactg 300
ccgaagtcgg gttcactgta ccaaattcgt ggactcattg gcaagatgca gaagctcgag 360
gagagagttc aatctgcaaa atccaaactg ccacccccgt cggattcacc atctcgtacg 420
tcttctcgtt cggggtcgat attgggcgag agtcctgttg catctacaat aacggcacga 480
agaaactcgc gcaaacggtt gagtgggagt agttttagct cgtctgttcg agatggtgat 540
agtgtgcctt cttatgctcc gcacagtcga ccgtcctttg gtgctaggac ccaaggggat 600
agtcgcccaa gcagtcgtac tagttactcg agccacagct ctgtcagcca cagtacccat 660
ccgagcgtga ctccatccac acgacccgag agccgtcaga gtcggaccaa gacaccgttg 720
gggcactact cgaccaaccc gaccaccgag agccgtcgac cacgatcctc actcagtaac 780
ccatctaatc agaatggagt tgtcaatggg atggcccaca ttgacgagga cgaggacctt 840
gctatgcata tgtccttacg ggccaggatc agcgagatcc gcgagactcg gcttccgtcc 900
atctccacgc cgcctgggct taagaaaaga accccaagcg ggatctctgg tatcccagcg 960
cctcgaacat tgagaaccag cactggcttt gaccggttgg aaggcggtct tcaccgcgga 1020
ttgcgagggt ccgtctatgt aaaa 1044

<210> 21019
<211> 375
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (182),(362)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21019
tatctttgtc tccgggttca cgacggtatg gttggatcag gcgtactggc agcgggcgat 60
tgcctcgcgg ccggagactt cggtcaaggc gtatctcctg ggtgggatcg cgtggtatgg 120
tcggttcatt atctctcctc gtctgtgact gcgcgtgttc tgacgtccgc agggatcccg 180
tntggctttg caacagccat gggcctcggg tgcgcagccc tgaccaacaa tcccgccttt 240
cccacatatc cccatccgct atcgcccgac caggtggcag ccggactctc tgccccggct 300
acggctataa cgctcctcgg ccacggaggc gcagtcctca tgctcattct cctcttcatg 360
gncgtcacga gctcc 375

<210> 21020

<211> 318
<212> DNA
<213> A.fumigatus

<400> 21020
agacatctgg tctttgggtt tctggttgcc gcgcggattg agttgattgg gagtccaggc 60
agactgtatg acttgctgca ggaggcgtcg cgggagatgc cgatcgcgcg gaataccgac 120
gggtcgtatc tggcttttcg gtcggttggc gggctggtct ttgcgattga tatctttgtc 180
tccgggttca cgacggtatg gttggatcag gcgtactggc agcgggcgat tgcctcgcgg 240
ccggagactt cggtcaaggc gtatctcctg ggtgggatcg cgtggtatgg tcggttcatt 300
atctctcctc gtctgtga 318

<210> 21021
<211> 540
<212> DNA
<213> A.fumigatus

<400> 21021
ccagatgtat tggaaaactt ggtttctcaa accactatcg cggaaaagat tggtcaagaa 60
tctactgtat tatcgtggct tctctctcgt atacagcaga aagaaagtcc agtcagtcaa 120
aataagcagt acgctgcaga ggttttgacc attatgctac aatcgtctca taaaaacaaa 180
gataaattca ttggcctcga tggggttgat attttacttc aactactgag ccactaccgc 240
aaacgcgacc ctgaaaagga ctcggacgag gaggagtacg tggagaatct tttcgactgt 300
ttgatatgtc tcgtcgacga agatcccggc aaggagaaat tcctagaagg cgaaggcatt 360
gagcttgctc agatcatgct gaaggaaggc aaattcagta agcaacgtgc cctgcgagtt 420
cttgaccatg ctctgggtgg tttgggggggc ggccctgcgt gcgaacgtct agtcgaggtt 480
gcagggctga gaacaatctt tggaatgttc atgcgaaagg taggcgtttt attcaaatag 540

<210> 21022
<211> 351
<212> DNA
<213> A.fumigatus

<400> 21022
ggcattctcg gcgatatcaa actcatcttc cgggtcgcgg attcgtttcg aagctctgtt 60
atcgagagat ctcaagccgg agaccgggct ttcgtcgaca gtatcgggac catcggcaaa 120
ccccaaatcg atatactctt catcgtcgag cggcaactca tcgtcatgct ggcggagaat 180
ttcggctgga gtatcatcct cgaactcatc atgattcttg ccaaattcac tagtgtcgtc 240
gagatttcca tccttgttct tagaaccttt ggaaggactc tcgaacagat cttctacgaa 300
accaagcgta tcgttggcag gatctggagt atcacgttct tgtctctctg a 351

<210> 21023
<211> 798
<212> DNA
<213> A.fumigatus

<400> 21023
tacctgcgaa ctcttatact gacacttgac aggctcggtg acaacatctc cgagtggagc 60
aagtaccgca tctccatctc gcagatgctt gcgtttgcct cgatgttcca ggtgcctatg 120
atcggatcag acgtctgcgg gttcggcggc aacaccaccg aggagctctg cgctcgctgg 180
gcgcgtctcg gagccttcta caccttcttc cgcaaccaca atgaaatcac cggtatcccg 240
caggagttct accgctggcc caccgttgcc gagtccgctc gcaaggccat cgacatccgc 300
tacaggctgc ttgactacat ctacacagcc ttccaccggc agacccagac cggcgagccc 360
ttcctgcagc ccatgttcta cctctatccc aaggacaaga acaccttcag caaccagctg 420
cagttcttct acggtgacgc catcctggtc agccctgtca ccgacgggag ccagacttca 480
gttgacgcat acttccccga tgatatcttc tacgattggc acacgggcgc cgccctacgc 540

ggccgcggag ccaacgtcac cctcagcaac atcgacgtga ctgagaatcc catccacatc 600
cgcgggggca gcatcatccc cgtccgggtc gagtccgcca tgaccacacc gagctgcgcc 660
aagaaggctt cgagctcatc atcgccccaa gggcttgatg ggaacgcctc cggccaattg 720
gtttctcgca cgaacggcga ctccctcgaa gccgcgcggc gaccctcgaa ctgggagttc 780
cacttaccgc aaagggcc 798

<210> 21024
<211> 459
<212> DNA
<213> A.fumigatus

<400> 21024
tcggatcaga cgtctgcggg ttcggcggca acaccaccga ggagctctgc gctcgctggg 60
cgcgtctcgg agccttctac accttcttcc gcaaccacaa tgaaatcacc ggtatcccgc 120
aggagttcta ccgctggccc accgttgccg agtccgctcg caaggccatc gacatccgct 180
acaggctgct tgactacatc tacacagcct tccaccggca gacccagacc ggcgagccct 240
tcctgcagcc catgttctac ctctatccca aggacaagaa caccttcagc aaccagctgc 300
agttcttcta cggtgacgcc atcctggtca gccctgtcac cgacgggagc cagacttcag 360
ttgacgcata cttccccgat gatatcttct acgattggca cacgggcgcc gccctacgcg 420
gccgcggagc caacgtcacc ctcagcaaca tcgacgtga 459

<210> 21025
<211> 330
<212> DNA
<213> A.fumigatus

<400> 21025
ccaccaatgg atcgccacgt caatagtgat accacagcaa cgagcctgac gagtatcgtg 60
tacgaattag cccgccatct tgatgaggtc gacaaactac gagcggagct ggatcctatc 120
gaagcagata gtgacggcga gtaccagcac gacaccctcg ccaaactacc acatctcaat 180
ggctttatca acgagaccct acggttgcac cctcccatcc ccggtgtcat tccgcgaaag 240
accccaccag aggggatcca tgtgaaggat gtcttcattc cgggcaatat ggtcttcacc 300
aagggcgcga aagaccgcgc taagcgggaa 330

<210> 21026
<211> 462
<212> DNA
<213> A.fumigatus

<400> 21026
aaacggcgga tgaccggtcg tatggttgac aagtacgcac gggaggtgga tgattttgcc 60
tttctgccga ttcgtggttc tcggcatcga tccgaagacg aaagagaagc tgcccatcag 120
gatcaccggc tgcgggttac catcggcgtg accggatggc tgacagagga ggacaatttc 180
gtgatcccgt ggcgagtgat cggagcggaa tcggaggtgt ttggtctccg ctgggaaacc 240
gagcccctga tgaatctggg aaatgcgctt gacctttgg taaccagcgc cgcatggact 300
gccggtgaac aagtcctgaa gaagacattc ctctcccaac tcttgaccgc tgtcgcgctg 360
ccgcttggcc ttctcaaggt cgcacgtgtg gtggacaatc cgtttagcgt atcgaaggct 420
cgggcggaca aggctgggga ggttctcgcg gatgctctta tc 462

<210> 21027
<211> 183
<212> DNA
<213> A.fumigatus

<400> 21027
gtggttggtg atggtggtgt tggtggcttg attgtacgag gtacctctca gctcagttgg 60

gttagctcgc cagtgctgcc tgtcaatcaa gtctcggacc tggactgggc cttaatgccg 120
tcggccggaa tcacttatga cgacatgaaa gagctcaata tatcatgtga cctattgtgt 180
tag 183

<210> 21028
<211> 456
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (105),(275)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21028
gttcaccacc ttctactact ggcactcgtg tgtccgtggt gtaagtcacg aaccctatta 60
cgagtacaag agactgatga gaatagccca ccaaccccaa ccggntgtgc gccctctcgg 120
gtacctccga tggccacgga accaacgaca acagcttcga tgtatctggc gtcgacatct 180
ccagcatctt ccaggttgcc agcgagaagg acatcacctg gaagaactac gacggcacca 240
acggcgcctt cctctcggac gctctcttct tcaantggac cgcccaaaac gccaagcata 300
acgtcgtccc tctcgagaac ttctaccagg acgcctatct cggcctcctt ccccagctct 360
cctacatcaa cccctcttgc tgcgacctcg acaccaactc catgcacccc tccgggtctt 420
caccacgggg ggcgaaggag ccgcgctagc gagtag 456

<210> 21029
<211> 723
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (527),(697)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21029
aagggaaaag gatgggggaa ggtcgggggg gtttccgctg gaggattgcc ggcttcgaca 60
acattcctgg gtggtgttca aggcgcaggg gtggggacaa cttggttaaa caacggtccg 120
ttgtggaacc cccggaatgg ggggaatccc cgcagcacca agtggtgctc ggtgtacagg 180
gacctcgatt cagtcaaaca tgaccccgat cactcggtca ctggggacca cacggagttg 240
tatggcacgt atactcccag taaagatgcc atcgccgacg gcaccctgaa gcccaccatg 300
aacggctctg tggagcagca gctggcgcat cacaagggtc ttgatcccaa ggtggccgat 360
gaggaagtca tgggctacta ctccgaggac gagatcccca cgttggtcaa cctggttgat 420
gagttcacca ccttctacta ctggcactcg tgtgtccgtg gtgtaagtca cgaaccctat 480
tacgagtaca agagactgat gagaatagcc caccaacccc aaccggntgt gcgccctctc 540
gggtacctcc gatggccacg gaaccaacga caacagcttc gatgtatctg gcgtcgacat 600
ctccagcatc ttccaggttg ccagcgagaa ggacatcacc tggaagaact acgacggcac 660
caacggcgcc ttcctctcgg acgctctctt cttcaantgg accgcccaaa acgccaagca 720
taa 723

<210> 21030
<211> 363
<212> DNA
<213> A.fumigatus

<220>
<221> unsure

<222> (19),(189)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21030
cccaccaacc ccaaccggnt gtgcgccctc tcgggtacct ccgatggcca cggaaccaac 60
gacaacagct tcgatgtatc tggcgtcgac atctccagca tcttccaggt tgccagcgag 120
aaggacatca cctggaagaa ctacgacggc accaacggcg ccttcctctc ggacgctctc 180
ttcttcaant ggaccgccca aaacgccaag cataacgtcg tccctctcga gaacttctac 240
caggacgcct atctcggcct ccttccccag ctctcctaca tcaacccctc ttgctgcgac 300
ctcgacacca actccatgca ccccctccggg tcttcaccac ggggggcgaa ggagccgcgc 360
tag 363

<210> 21031
<211> 483
<212> DNA
<213> A.fumigatus

<400> 21031
gtgtccagtc aacaaggcgc cacacatgag tccctgctca aaaacgatat ctggaatcgg 60
gacactgttt tgcttctgct gacgtatctc atcttcgccc tgggcaatgt gtctttcaat 120
tcgctttttc ctatcttttc gcatgcctca cctcctacgg gacgagccct tactccgagg 180
gagattggtc tctcgcaagg ttttgccggc ctggccacta tcctcttcca agtctgcatc 240
ttcggcagac tacgagataa gatgggcaac cggtggtcat atcgggcagg ccttttcggt 300
ttcgttctgt cattcattct gatgcctttc gtcggatata aaggagacga tgctgacggt 360
cgcctaacca agaagactgc tttcatggcc attgaattgt gcttcgtgct tttggttaag 420
acggttgctg cagttggcgg tttgactagt gcacttttac tggtaagatt atccttttgc 480
tga 483

<210> 21032
<211> 387
<212> DNA
<213> A.fumigatus

<400> 21032
ccattggccc attccgcgga aacatttttt cggatgccga gaagaaagtg tccgaaccca 60
tgcgccgtat ataaatacca ccccgacgag gctctttcat tctggttttt cttttctttt 120
ggtaatttct ggcatcccac tactctcgcg cataccacaa ccatgtcgat cggcaaacta 180
ctctccaacg gagccctgct cgtcgacgtg ctcatcatcg gcgccggtcc cgctggtctc 240
tcaacagcca ccggcctggc acgtcaactg cacacagctg tcgtctgcga ctctggcgtc 300
taccgcaatg cggaaaccca acacatgcac aaggtcctcg gatgggacca ccgcaacccg 360
gccgaactgc gcgccgcggg tcgcgcc 387

<210> 21033
<211> 237
<212> DNA
<213> A.fumigatus

<400> 21033
atcttctctc tccacgtgta cctctggaag atggtgtatc acctcggtta tgcccttgaa 60
cgcgatttgc tggtgcagga agtcggttgt ttggcgccag gaaccaattt ttgtatagat 120
ccatcttcga tttattgggg agtctcctat tatttctctt ccgaattccg cgtcatggct 180
tcatctgtgg gactgttgtt cctttccttg acctcgttgt taccacgttt attgtga 237

<210> 21034
<211> 204
<212> DNA

<213> A.fumigatus

<220>
<221> unsure
<222> (194)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21034
ttgcaagaaa cgggagactc acaaaccttg caggatggaa tcgactgcgc tttgtgccac 60
ttccgccagg agactcccga gtctcccatg catttcgagc ttctacaagg tatgtcggac 120
aatattctga gctacgacac tgggtgtggt cttctaccac aaagggagtc gaaggatgcc 180
cgcgccattg cgtntaggag ggga 204

<210> 21035
<211> 246
<212> DNA
<213> A.fumigatus

<400> 21035
tccctcataa cctatcatct atctatctgt ctgtctttct acaactatcg ccctttccac 60
cggtcgattt caatctccct gacccatcct accgttgcta cgatttcgac ccgccttatc 120
ccataccttt tctccaccct ttccattgat atcgactcct tggttcatca tctcgacttc 180
atttccctat ccattctttc ctcgaaggat atccttctag aacctcgtgc atacgcacat 240
ccctaa 246

<210> 21036
<211> 465
<212> DNA
<213> A.fumigatus

<400> 21036
agatttaccc agccacccat gaggcgctca ccatctacca accggttctc ttcctcaccc 60
atacctgaag caagagtcag ctcagaggaa accgcagggc cgtccatcat gtttgcgcca 120
agctcatcgc ctccgcgctt cccgaaccgg ttggaatcaa tctacacccg actttcctcc 180
tccggggcca gaagtgcttc gggatatccc aagcaggcgt ctgttcctct gtcattcgac 240
gatcttccga gtcgtgcgca gcacctgatc cttaacgaac tgatggcccg gcaaagcagt 300
cagacggccg tcatcttcac aaccctgcct tccccgtccg agggtaccgc gggaagtgag 360
gagacaagcg aatcttactt gagtgacttg gaggttctgt ggcaaggact gccaccctgc 420
ctgttggtcc acagcaatag tatgaccgtg acgatgaacc tgtga 465

<210> 21037
<211> 204
<212> DNA
<213> A.fumigatus

<400> 21037
aaaagagccc aatctcaatg ctttccgagc gttatgaagc gtgggctagg tgatggaact 60
atggccgaac aagctggctc gattagaaca cctgcttttg gagatcaggt agtaagcgcc 120
tcttcaacca cactgcttct gagctgcaac ccttattcat tgattaagtg gggagctccc 180
gccttcaaat ttgcggattt ctag 204

<210> 21038
<211> 189
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (21)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21038
ccaaagaaac ctcacttccc nccggagagg tcccagactg ttgtgtttag tgttcgaaac 60
agtgccttcc cttacctcga cgggagcatg accaaagtcc ctttagttct ggtgaaggca 120
ttgtttgaag tgtatgcccc gccaacactc ggacggcgca aatatacgcg agctctcagc 180
gcttcttga 189

<210> 21039
<211> 450
<212> DNA
<213> A.fumigatus

<400> 21039
acagttccgg tgtcgttttg gcgtactggc tggaattgtg ggtccccttc tcctctccca 60
cttcgtctga agaggtcgtt tctaatgagt attagtggtc tatcgttcat cgatggcggg 120
agatctccgt tccgttggag atttccaatc gcctttcaga tcatcttcct gatcgtgttg 180
ttcgcagctg tctggttctt cccagagtcc ccaagatggc tagtcaaggt tgggagagag 240
caggaagcgc gctacatcct cggtcgtctc cgtggcagca gcggcgatga cgcagtccga 300
gccgaagccg agttccgtga tatccaaagc gtggcggagc ttgagaagac aattaaccat 360
agcaattcct acctttccat gcttttcggc tacaagagcg ggaagttgca cctgggacgc 420
cgtgtgcaac tggtcatctg gctgcagatt 450

<210> 21040
<211> 432
<212> DNA
<213> A.fumigatus

<400> 21040
cttattaaaa aaaacaatcc aacaaataca tacccatatt ataccatctt taaaataaaa 60
tctcccattc acattactta taaaacatct ctccccaatc ctcaaaatat aaatttcata 120
cttccactaa ccatactaat tcatatcact cataaatcaa tccctctctc cgctcacaca 180
cacaaaaacc tccctctttc tccttctctc tccattcacc ttcccaccat gtccatcccc 240
atcatccccc cgtactccct ttactgcctt cacaaacttg ccctttctca atccatcaac 300
caccactccc atatcaacat ccctcgtccc tccaactcta ctcttccgcg ttcgcattcc 360
aacaaattcc tcctcttcac cctggccacc acacccaacc agcctctcaa catcctcatc 420
ccaccgaatt ga 432

<210> 21041
<211> 396
<212> DNA
<213> A.fumigatus

<400> 21041
actccctcgt cgccagtact gtatgccctc ataaatccac acatgaccct cctggctccc 60
tttggtacac aaaacaccgt tgcctattca agaataccac aagggctctc aacgccctca 120
aaaccccctc aaagtgcgat tccggaagac tccacattag ccggtatccg aacagcgctg 180
tcgcgatggc gcgatcattg gttggcgctc cgaaatacag tctccagcca cgaatgggcg 240
tccatgggct tctacaaaaa cggctacaac ttttggcttg tgtcgcagct cctcatcacc 300
aagaagaaga gtgtggatgt ggtgatgcag atggaggtga agtgcgagga taaactggag 360
aagctcaagg tcttgctcca ggatgagaac gattga 396

<210> 21042

<211> 240
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222>
(201),(202),(203),(204),(205),(206),(207),(208),(209),(210),(211),(212),(213),(214),(215),(216),(217),(218),(219),(220),(221),(222),(223),(224),(225),(226),(227),(228),(229)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21042
attcactacg catacccaa cttccaaaac atctcaatat tcgtccctgt atcttcatcg 60
atatacgccg gcggctccgc aaacgtcacc tcctccccgt gcaattctag cactttcccc 120
gtcaacgaag cgtctccaac aagctgcgca accgcccgcg tagcagtcga catgggcgta 180
agaatcatag acctgaatag nnnnnnnnnn nnnnnnnnnn nnnnnnnnnt ctattctaca 240

<210> 21043
<211> 222
<212> DNA
<213> A.fumigatus

<400> 21043
atcactctgg gagtcgacgt ttcggtcaac cacgactcgg tggttttgta tgctgtgacc 60
cttacatctg atggtggtat tgcaaacgac aatcgcgatt ggggtgacca ggttgctcct 120
gcactgccga tgtatgcgtc agatggcagt ggcgagctta tgtttaatga tcctggtttt 180
gaggcaggtc cttgcagctc atggaaatgg aaatataaat ga 222

<210> 21044
<211> 711
<212> DNA
<213> A.fumigatus

<400> 21044
atgactgacg gtggaacaaa atccgtgtcc ccctttccag caggtcctgt aggagaatac 60
atttgcgaac tttatcaagg ccacaatcag ctacgggagt tgggccttat tggttctaac 120
tgtcttgcca atgcgcgcga cttccaagcc cctgtcgcgt ctttcgagga tgaggaagaa 180
ccgaccgagt ggcggcttta cagcaagttc aacaacaccc tcttttccgc acgccaggac 240
cacactccct ttgacatcgt tgcctggcac ggaaactatt acccttacaa gtacgacctt 300
ggtcgtttca acaccatcgg ctccatttcc tttgatcacc cggacccctc aatcttcacc 360
gtccttaccg gaccatcaga ccatgcgggt accgctattg cggacttcgt gatcttcccg 420
cctcgctggc tggttgcaga gaacaccttc cgtcctccat ggtatcaccg gaacaccatg 480
tccgagttca tggggctgat ctgcggcaat tacgatgcga agacgggcgg cggtttccag 540
cctgcaggcg ccagcttaca caacgtcatg agtgctcatg gtcccgacgc ggacgctttc 600
gagggcgcca gcaatgctga gctaaaaccc cagaaggttg gcgatggaag catggcgttc 660
atgtttgaga ggtatgtagt gttacgctac attgaaagat tcaaatactg a 711

<210> 21045
<211> 234
<212> DNA
<213> A.fumigatus

<400> 21045
cattttgccg ccgtttcttt gtctgctaaa gaactagcca actacgtgtc cacatggagc 60
ttcctgctac taacctacgg agtccttgct agccgccgct gcaaggatgc tccaacaatt 120

acggagtaca tgccaaaacg tcaagttggt tccgaggcta ccaaacggca agttcgcgca 180
cgaccatggt tcgccaccac ttggttcagg aaacaaaaca atatcaatgg ctag 234

<210> 21046
<211> 564
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (492),(521)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21046
gttacgcttg cgcggatttt ccgcccccgt ggtgaagatc tagcagggag aacgaaaacc 60
ggcgttacgc ttcaaaccct acatgtcaag catttcgatc acggcgtcat cctccagcag 120
actccagccc caggatttga gataccgaat cctgacacat gcaccgttcc ggaacttcta 180
aacattgttg cccctaaggg agcggagatc ctcttggatg gcattcgcaa aggattgttc 240
gtccctccca tagaagacgc aggctggcgg gcatcacagg gcgatgagcc attaattcat 300
gcggcgaaaa tcaagccaga ggatcgacac atagactggg tcaattggac atggaaggac 360
atcagcaggc ggaatcgcgt gctcggtccg ctatggaaca aaaccctcgc agttagcgat 420
cctacttcgg gaaatccttt gttccgacag cgcagagtga tcttgagcga gatggaggaa 480
gtagatacga tnaagggctg cgaggcattc tctcttattc ncgggttgcc ttttgtggat 540
agcgcacatc ccattgatcg ccaa 564

<210> 21047
<211> 441
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (412),(417)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21047
gctacgccag atgaaaaagt cgcagtccct cttcgggctc atgcattcac agcaacgccc 60
gaatcaatga gactggcaaa cgaggaagga ccaaaccagc tggacccgaa ggctataacg 120
ccgggtcatt tagatggaca gggttggcct gaatcgtttc ttgacgactt cgaatcaagg 180
atctggatta catacagatc gaacttcccc ccaataccga agcctatcga tcgggatgcg 240
ttctccacaa tgacactgag cgtgcgactg agaagtcagc tcgttgacca gcatggattt 300
acatctgaca cgggatgggg ttgcatgata cggtcagggc agagcctcct ggctagcgca 360
atgtccatat tgttatttgg cggaggtacc aatcagcgtc ttgaccacgt gnccacnagg 420
gatactcgaa cgtcaaatcg a 441

<210> 21048
<211> 237
<212> DNA
<213> A.fumigatus

<400> 21048
acacctctct cttacaatgt tattcttatg gacatcaaca tgccggttat gaatggactc 60
gaagcaacga ccaagatccg tgaagtgaac agcgaggtac ccatcatagc actcaccggg 120
aatgcgctca agggagacgc ggagacatac cttgccagag gcatgaacga ttacgtcgcc 180
aaaccagttc atcgcaagcg gcttgtgcag ttgttgtgga agtggctcgg ttcgtga 237

<210> 21049
<211> 225
<212> DNA
<213> A.fumigatus

<400> 21049
cttaaagtgg gcttggatgc tccatccttt gcccgcaccc ctatctacca tagctctcgc 60
cctcagttga gcggtgtctc gctcatacta aacgaggcgc tatctttggt cggctttgaa 120
ctatccggct atgcatcttt catagcctca tcaatcgcca aaagaaatgg ccttgatggc 180
tatcagcttc tcgagtcttc accacggggc tggaagatac gcgac 225

<210> 21050
<211> 579
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222>
(337),(338),(340),(341),(342),(343),(344),(345),(346),(347),(348),(349),(350),(
351),(352),(579)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21050
tataattata aaacgaagtc cgcatcttcg cagcagcgca cccatatcac ccgatttacg 60
ctatgtccgg acctgtatac cctcacgatc acagacaagg caccgaatgc cgataatagt 120
gttataacat actcttacat aggcagcgtg gacccagaac atgctacgtc ggagtcccgc 180
gagcggaatc ttgtattggt cttcgatccg gaccgtaagg tctttgttct agagtcgatt 240
gcgacgcagt tgaatttcaa tcttcggtcg gcacctaata agaccgaaaa gcaagtgaca 300
gagcagtatg cgcagctgcg aacattgcat gatgatnntn nnnnnnnnnn nngcgacgga 360
gcagttgaaa cggccgctga caccgacgac ggtcccgctg atgccagcaa tccctacgac 420
taccgtcact tcctgccaaa agaaaacgct gacgatgaca agtctgtttc agatggtgca 480
atatcagctc atctcaatgc cagtaaatct aataccctc tgatgaccgg gactgccaaa 540
cctattttca ccacagggcc ggaaggagcc gaaaaatgn 579

<210> 21051
<211> 294
<212> DNA
<213> A.fumigatus

<400> 21051
aatccaacgc tattgtggcc actgtcacta gttcttgata tcgtcatgct cgtctctgtg 60
attctaaccc cagcgctcct gcttggagtg gccaacgctg ctacactagc aaaacgttgg 120
agtaacggtg acgttgccac aggtaccaca gacccaaatg tggccagtgg gtgcacgtac 180
tgggccaatt ctattgcttc aagtgacacc tgcgaatctt tgaatgccta ttttggcatt 240
acgattgctc agcttgtttc atgggtgaga gtcaacttgt ctccactcag ctag 294

<210> 21052
<211> 237
<212> DNA
<213> A.fumigatus

<400> 21052
attgttggtg ctgtttacca atgcaagtgc aatacgctag gagggcatag tgcttacctg 60
catattaatg agctagtgca actcgcggcc aatgcatttc acggtgtcgc ctgtaatttc 120
catatcacca agggcaaaca ctcctgcact ggtgactgtc ccatgggctt aatgtcatta 180

agacgacagt tttcaaggtg gcgctggatg atagagttcc tgatcttttt aatatga 237

<210> 21053
<211> 399
<212> DNA
<213> A.fumigatus

<400> 21053
agcctagtga gttattcgct gtcacgaaca tgtcagccct ctaaccaagt ccaagtcctt 60
gcggtgtggg ccggtctagc gctcaacggc gacgttgtcc ccgaagacga actccacgtg 120
tatgtgcagg acgccctcga tgagcttgag ttcctcaccg gctccgtgga gaccaagtat 180
ggagcattgc gcgcttctgt tggtcatccc gaaccctggg tcatcagata tgtcgaagtt 240
ggcaacgagg ataacctgaa caacggactt gcctcctact catcttaccg gtttaaagct 300
ttctatgatg cgatcaaggc caagtaccct gacattactg tcctggcgtc gaccattcat 360
ctgacgtttt cacacacggc cgggcgaagg accagtgta 399

<210> 21054
<211> 528
<212> DNA
<213> A.fumigatus

<400> 21054
cgcgtttgct tccagccccg tggtgaagac atctcgccat gcaccattcg gaacatctgc 60
tcgcaactca gttctggtcg tgtcagtacc cgctgcttgg tcagcaacag caacatcacc 120
acaatcacag acagccagtg cggaaatggc attgtggaag ttggcgagga atgcgactgc 180
ggcgccacct gtgatcagaa cagttgctgt gatggatcga cctgccgctt acgagcgggg 240
gctctctgcg acgatgctgc gagtccgtgc tgtaccaact gtcagtttgc ctcggcggat 300
acagtctgtc gtccaagcac cggcccatgc gatgttgagg agatgtgtac cggcaattcg 360
accatatgtc ccgtggatcg ggttctgtcg ggtggacaac gctgcgggga tggtgagggg 420
ggttccggta acccgtcatg ttccaacgga gaatgcagac gaaatgagac ctcctgggtg 480
gacagtcatc gatcactcat tattggtctc gctgctggga ttggcggt 528

<210> 21055
<211> 225
<212> DNA
<213> A.fumigatus

<400> 21055
ttctcgatat ccactgcatt ccccaagtcg aaaagagagg ataccaaagg gtcgcataat 60
tctcctgccg ttgtaataat gtgggagact gtctcatcat cgactaaggg ccaacaagcg 120
gctaattcag ggtgcactct aagtaacaag cttttattct ctatgagtga tgactgtggc 180
gccgtcaatg gtgaaacaat ggtagtgctc gtaactcctg tatag 225

<210> 21056
<211> 417
<212> DNA
<213> A.fumigatus

<400> 21056
caaggcgcct cagtacggac ggtattcagc tccgttgcgg cttcgtacga caccatgaac 60
gatttcatgt cccttggaat ccatcgtctg tggaaagacc actttgtacg atctctgaac 120
ccgggctccg cgctaccatc tcgcgacaac gacgccaccg gcaaaggctg gaatatcctc 180
gatatcgctg gcgggaccgg cgacatcgca ttccgcatgc ttgaccacgc gaccaacatc 240
aacaacgacc atcagacgcg ggtgactatc gccgacatca accccgacat gctggcggag 300
ggcaagaagc gcagcatcag cacgccctac tacaatactc cccggctgtc cttcatggaa 360
gccaacgcgc aacacatgcc ggtcgtcaac acgccgagtg gaagtatgcg tcgcacg 417

<210> 21057
<211> 384
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (34)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21057
ggggatttgc cgggacattg ggcgatgagt gggntgatta tattctggca gatgagatct 60
ccatcccctt tcgatacgtt aggtcccgga aggggtaacg cccgtattga ggatcgattc 120
ttggagcagg atcacgggga ggagcttgaa gactgggtgt atggcgagaa gattgtctat 180
actcgcgata cattcttctg ttgcgaccat cggcaaagcg ctcccgacgc gaaagatgcg 240
cgcatcacct gggagcagga gcaggagcgg cgatggcgaa tgcggaaaga gctgttccca 300
aatctcagcg atgacacgat catcctcggt aatttcaacc aattgtacaa ggtgagtatt 360
gtccttatga tgatgtgtga ttag 384

<210> 21058
<211> 447
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (418)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21058
agtatgctaa gccttttcat tcagattgag ccaacaacgt tccgtacatg gcttcgtata 60
ctggcgcgca ttcccaacgc ggttctgtgg ctgcttcgct tcccggactt gggtgaacag 120
aaccttcggg agacagccat cgcgtgggct ggccgagaga cagcatcccg gatcattttt 180
acggatgtgg ctccgaagaa cgctcacatc tctcgggcga aaatcctgga cttgttccta 240
gatacgccag agtgtaatgc acacacgact gcgacagacg tcttgtggag tggcacacca 300
ctgctcacat atccccgcta caagtacaaa atgtgttctc gaatggcgag cagcatcctt 360
agcagcgcgc tgcctgactc tgacgctggc cgcaaggccc ctgatgagtt gacgggtntt 420
aacagacggg cctggaaggt attgcat 447

<210> 21059
<211> 267
<212> DNA
<213> A.fumigatus

<400> 21059
aagacagacc tgggtgatgt gcttgatagc attaaactcg gggatgctca ggatggggga 60
gggaagacgc agacggttgc actgcgaggc atccatctcc aagagattgc cctgaggacc 120
aacgtaacac tcgagagaca tgacaacagc ctcccgaata gggtcaatgg gagggttggt 180
gacttgagcg aagagctggc ggaagtattc gtaaagaagg cgaggctgct gcgccatgca 240
ggccaatgga gcatcattac ccattga 267

<210> 21060
<211> 726
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (10),(14)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21060
tggggttatn gtgntgcgaa tttggaccgc aacggtttgc gtccttgccg tttttatgtg 60
accgatgatg accgtattat ctgtgcctct gaagtcggtg ccgtggacat cgacccggaa 120
agagtcgttc aaaagggccg gctacagccg ggaaagatgc ttctggtcga tactgtggcc 180
ggtcgtatca tcgatgatgc tgaactgaag cacaccgtcg cccaccgtca agactttgcc 240
gcgtggctcg acaaggaact tctgaaactg cctgacatca atcgaaagtt gctggaacag 300
aatgtggatc ttagttacac actcgacgac accactgttc aaaacgaccc tcggctcaag 360
gctttcggtt attctttcga gcaggtcagt ctgcttcttg gccctatggc tgccgattcg 420
aaggaagccc tcggttcaat gggtaatgat gctccattgg cctgcatggc gcagcagcct 480
cgccttcttt acgaatactt ccgccagctc ttcgctcaag tcaccaaccc tcccattgac 540
cctattcggg aggctgttgt catgtctctc gagtgttacg ttggtcctca gggcaatctc 600
ttggagatgg atgcctcgca gtgcaaccgt ctgcgtcttc cctcccccat cctgagcatc 660
cccgagttta atgctatcaa gcacatcacc caggtctgtc ttctacgaca gccggccgaa 720
ggataa 726

<210> 21061
<211> 249
<212> DNA
<213> A.fumigatus

<400> 21061
cggaacaggc ttctggatgt gctggcccaa cgcaaggaca gcggcgagat ctacggctcg 60
attctgattg acggccggcc gcagggcatt agtttccagc ggaccacggg atactgcgag 120
cagatggacg tgcatgagcc gacggccacg gtccgggagg ctctggtctt ttcggcgctg 180
ctgcgccagc cggctcatgt tccgcgcgag gagaaactgg cgtatgtgga tcacatcatt 240
gatctcttg 249

<210> 21062
<211> 321
<212> DNA
<213> A.fumigatus

<400> 21062
acgcggattt tccagccctt tggtcaagac tacgtcctga cggcgttagg gcttgagttg 60
ctcaatagcc agggcggatc gtctgtcctg ctgtacaagc gggggagcca gaagacaaga 120
tcggaagaca ccacgacccc agtgcaagag gccgcgcggg cgtcgcatgc caagcagtcg 180
accttcacct ggcatgacct cgactaccac gtcccctacc aaggacagaa gaaacagctc 240
ctggataagg tgtttgggtt cgtgaagccc gggaacctgg ttgcgctgat ggggtgctct 300
ggagcaggaa agacgacgta a 321

<210> 21063
<211> 246
<212> DNA
<213> A.fumigatus

<400> 21063
gggggtaacg cattcttcgg tccttcgacc gctgtcgtag aagacgcaca gtcgtcgacc 60
aaggcgctca agagccatga gaagaaagtg accgaggatc ttaaacggag cctcaagcaa 120
gagaaacagg tccttcgtcc agccaggaaa cctttctggt tcgagaagtt cctgttcttt 180
atctcgtccg agggctactt ggttctgggg tatgtggtac ttctgtctct gccgtgctat 240

ttgtga 246

<210> 21064
<211> 660
<212> DNA
<213> A.fumigatus

<400> 21064
tctaactttg gtagtggccg tgacgctatg cagagcgagt tactataccg tcgccatctc 60
aagaaaggcg atatttttgt gcatgcagat ttggaaggcg ctcgaccgat gatcgtgaaa 120
aacagaccag ggacaccgga tgcacctata ccaccgagca cactttcaca agcagggaac 180
ctctgcgttg cgacatcgag tgcttgggaa tccaaagcag tcatggcagc atggtgggtc 240
aatgcaaacc aggtgactaa aaccaccaca ggcggtcttc taccgacggg agaattcgag 300
atcaagggtg aaaagaactt tctcgccccg tcgcagttag tccttgggtt tgcagtcatg 360
ttccaaatca gcaagaacag tttgaagaat cacaaaattc acatattcga ggatgcgact 420
cccacagagc catcggcgaa ggaaagcgga actgccaaag agattgtaga caatgagcaa 480
tctgtggcgc aagatttggg gccagcagag acagataagt gtgctgcgaa ccgtccaatt 540
gaacaagaac gcaagtctaa ctcggagtcc gaaaataaag aggtggaacc gggactccat 600
tccgccgaag gaacccctta cagcgggggt gtttctgaac ccctttacga aaccaagaag 660

<210> 21065
<211> 210
<212> DNA
<213> A.fumigatus

<400> 21065
ggtgttgctg ctgttcggga tgaagtcagt gtgtccgatt ccgccctatc acttgcgttc 60
gagatgcacc agcctaagtc tctccggaaa tatctgaggg agttgaagtt actggcagaa 120
gctgtagttt gtatctgtga attcggcggc tggggaaccc aagcaagaag tagtcttcac 180
aacagccgcc gaaggacact tattcccccc 210

<210> 21066
<211> 306
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (306)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21066
gggtctttcg gaccgtctgg tttctttgat cttgaagttg ctacttcgac cgtcgtcgat 60
tggcccaccg gcgtttggtg ggttacattg gatgtgattg gagacaaaga gacgcaaaga 120
gggacaagga aaagaagaaa caatgcgctg ggatttgacc gtcgtctggc tagactaatc 180
gaaaagcggt ttcgtagtgc gtacagtaat attgttacta gggcgatgca agactccatg 240
acacctgtca cctataatgg tcggaataag attgcgtcgc gcctcctcca cttcccaggt 300
tgttcn 306

<210> 21067
<211> 387
<212> DNA
<213> A.fumigatus

<400> 21067
tcattgtctc gtaccgttga cttggagctg accatttctc tgattgcagc tgcggacgac 60

aaaggcgtcg tcaacaacat cctcactgtt ggttcgagtt caattgctgc ggcgcctggt 120
gctgaagctc atgctgtcga gaaggaaacc gaaactcctc ttgagaatgg agccagcgag 180
aaggtcgagg agaccgcgaa agagcccggg gtgcaaagca caacgacgac cgaggcggtg 240
aaggatgaag tgccagagaa gactgatgac tctgtggttg tcgagaaaga tctgcacgtg 300
gagtcggaac ccgcaacaca ggaggtgaag ccgaagcttg tctccgagcc atccaagccg 360
agcgatatcc atgaggacgc cgaaaca 387

<210> 21068
<211> 651
<212> DNA
<213> A.fumigatus

<400> 21068
tgcgaggagg ttgcaggcat acttgaaagc agcggctctt actaccttct tgaccacctc 60
gccttccatc ccactctctt tcatgtttca atactcgtct gctattgtat ccccctgact 120
agaatgatga agtccatccg gtttcttgcg tccgcgctgg ctctttgctt ggtcgacgcc 180
tatctggtga ctcctccagg aacacctgca ccaggggcag cgtcggcttg tagcgcctgg 240
gtgcaggctt catacggcct gacatgcgac ataatccacc gtttttacgg catgactgcg 300
gccgaattcg aggaatgggt gagcaagtgt ccagctgccc agctgtaccc tcttaactac 360
atatgtactg actcggcgaa gaaacctagc gtcagtcagc ttggtgacgg ctgcaccctg 420
atctcaggcc tctactactg tgtgcaagtc aattatatcc cccaaaagtc taccttggaa 480
cccgcccacg actacgacac gttccaccaa ttagctcagc cgggaaaggc gtctccacgc 540
cgacttccta cgcataccgg cttgggtgag caactggcac caagttccaa ctgggttgtc 600
aatggtgaac ccctgcttcc gaatttgcaa gctgctccag ggaatatctc t 651

<210> 21069
<211> 333
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (106)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21069
ctggcctgta cctttggatc tacagtgatt gcctatctca ttgcaagcgg tattcccttc 60
ttcaacaacc tcgtttcgct cattggagcc ttcctgggtg tcatcntggc ctaccaacca 120
accggctgca tgtggttcta cgataattgg agaaaacgtg ataccggtaa ttggaaatgg 180
atactgatgg catgctggaa tgtctttgtc atattgattg gatcattcat gaccgtcgct 240
ggtacatacg gcgcgattgt caacattgtt aactctctgg cggaggatgg tggctcaaaa 300
ccatggactt gcgccgacaa ttccaattct tga 333

<210> 21070
<211> 396
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (308)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21070
ccagacaaaa cctacgacac gaccgacatc aaccatgcag caagtctaca cccacgaagg 60
accctacgag tcaatcccct cgaccgcatc gccaggcctc cagttcctca gacacttcct 120

cccagccctg gactccctcg atccaactac aaatcccatc tcccgcttca tccatcccga 180
cgcccgtgtc gtcgtgggca gcggaccccc caacagaggc acagacgtga tcggtcttct 240
aaacgttcgc cagcgacata tccagcgctt tcaacacgag atccacaagg cgtgggatat 300
tgcacggncc gattcaagga aacggaaacg gcggaccccc gacacgtgat gttcgaggcg 360
aacagcggaa ccggcttccg taatgaaccc cgatga 396

<210> 21071
<211> 480
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (455),(458)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21071
tgcattccgg ccaagaacga cgacttcccc tcaacatcga atacatccac atcggcgtca 60
tgcttgggtt catccaggac gttttcactg aggccttcat gtcccacccc accctctccc 120
ttcaacgcaa agtcgctctc gtccgcgcca tcggcaagat catctggatc caaaacgacc 180
tcttcgccaa atggcgtgtc cgcgacggag aagagtacgc cgacgagatg tccgagatca 240
tccttgacga caaggaaggc tatatcggcg agaagaagat tctcggggac agcagcccat 300
cagcgagctc cagcgatgat gaccgctcca gtatcgcgag cagtgtggct ccatctgccg 360
catctgcgtg tccattttcg gatatggcga ggccgtcctc cgagacaaag atctgggctg 420
gacggtgatc acgacgctga ttcatgcttg ttgtntanca cgcccggcac tggccggtaa 480

<210> 21072
<211> 207
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (190)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21072
acaaaaagct tcgtggaaca agacatcacc gttgtgcctt tcatcacaag aatagccgcc 60
gatgagacca caaacgtaga cgactgtaac accgaggaca gcccacagat caagggacga 120
aagatgttcc tgcggtggta cctgaccaag ctctgttccg atccgactga gatggagttc 180
tggcggtatn tgaacaaagt cgggtga 207

<210> 21073
<211> 444
<212> DNA
<213> A.fumigatus

<400> 21073
ccctcaatta gagtgatgca ttccggccaa gaacgacgac ttcccctcaa catcgaatac 60
atccacatcg gcgtcatgct tgggttcatc caggacgttt tcactgaggc cttcatgtcc 120
caccccaccc tctcccttca acgcaaagtc gctctcgtcc gcgccatcgg caagatcatc 180
tggatccaaa acgacctctt cgccaaatgg cgtgtccgcg acggagaaga gtacgccgac 240
gagatgtccg agatcatcct tgacgacaag gaaggctata tcggcgagaa gaagattctc 300
ggggacagca gcccatcagc gagctccagc gatgatgacc gctccagtat cgcgagcagt 360
gtggctccat ctgccgcatc tgcgtgtcca ttttcggata tggcgaggcc gtcctccgag 420
acaaagatct gggctggacg gtga 444

<210> 21074
<211> 459
<212> DNA
<213> A.fumigatus

<400> 21074
ttactttggt cctgccaggt ccgtggtgaa gacaacccgg cgtacaacgc ctccaaggcg 60
gccatcaaga atttaaccga gcatctcgcg catgatctgc ggtccgatcc cgctacggcg 120
catatctcgg tgcacttgct gattcccgga tggacatgga ctggtcttat gggaaacgtc 180
gggcctacgg acgagagtag cctcaagaag atggaagggg cgtggtttcc gagccaggtt 240
gcggaggagt tggtcaaggg aatggagaag gggtcgtttt acattgtctg tcccgataat 300
gagacagaca gggctttaga tcaagcgagg atgcagtggg cgagtgacga tgtggttgag 360
gatcggcctg cgttgtcgcg atgggaagac acgtggaagg ggagagcgga ggagtggatt 420
cagagtgagg ctaagcggag aagagatgcc agtaacagt 459

<210> 21075
<211> 345
<212> DNA
<213> A.fumigatus

<400> 21075
tactggtggc tctgtgaaat cgcctattgc tgggcctcag tcggctgcaa agtatccgtc 60
tgcatcttcc tacgccgcat caccgtcaaa cgcctccaca tctggatcct ctactgcgtc 120
atcgcactca cagccatcgc cggtttggcg tttatgctca tcatgctgct gcagtgccgg 180
cccatcgagt acttctggac ccgcactgcg ctcgaccccc ccatcccggg ctcctgcatc 240
gacatccaca tcgtcatcgc catgacctac gtctacagcg cgtttgcggc gttgtgtgat 300
ttcaccgtgg gtattctgcc tatcttcgtc ttcacgcggg gctaa 345

<210> 21076
<211> 564
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (20)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21076
gcgccgattc ggccagttcn cgtaggtgag gacgtgcgat ggcctgaccc atccaagaag 60
ccagtcgcgc ctggcaccaa gccgggcctg aagctgctcg cctcccaccc tgagacaatc 120
cgggcctggc ctggtggctt tggttacgcg aagcttggag ctaactatgg cccttccctg 180
tcagctcacg gtcaagcaca agccttgggc tttgaccagg tcctttggct cttcggggag 240
gaccgtcaag taaccgaggc cggcgccagc aatttcttca ttatctggga gaacaaagat 300
actggcagac tcgagctcgt caccgcgccc cttgagaacc agttgatcct cgccggcgtc 360
acccgccgca gcgtgctgga gctggcacgg tcaagattga ccaagccagt cggaagcctt 420
gcgcctgttg acgttgtgga aaaggcgctt accatcggag atgttgagct ggcctggaag 480
gaaggacgcg ttgttgaggc gttcgtctcc ggcactgctg taagtcactc ttggctcgag 540
aacgctcact catcatttcg ctaa 564

<210> 21077
<211> 549
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (203),(297),(304)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21077
gagcgattcc accagaacct gaagcctttg ttgaatcggg agcccatctc caccgaagag 60
ggcttgatga tcgagcgcat ggtcaacgag atgggcaagc gatgggcgga gatcgctcga 120
cgactgggca accgcagcga caatgcagtc aagaactggt ggaatggcag catgaaccgc 180
aagagaagag gtctttcggc cantaccacg agcccatccc gcactttcca aggccgagtc 240
gaagccccat acccgcgcgc ttcgacggcc ctcggcagcc ccatcgactg gccccgnttc 300
tccntatccc acaacagacc tctcacatcc tggacgaatt cgagcattca gacacgacga 360
gaatcctctg ccgcctcggt cgactgcccc cggcagttga gtcccattta cactcttccg 420
gctttgaacc gccccgtcga gacgcccttg acctcgccct ccttctcaga tgtctctcct 480
ccctcgatgg tctccgacca caactctgtt tcttcagcct cgcccaggac cgttgcatct 540
agtgtatag 549

<210> 21078
<211> 234
<212> DNA
<213> A.fumigatus

<400> 21078
cccgacaggc ctattcgtac cttcaacact gctgttgtct attatcataa attccgcctt 60
attcaccccg acacagagta caattacatg gtagtcgcac catgccttaa tctgcagtgg 120
aagtacgctg acgtgactgg taggatgcgg ctgcagctgc tctattcacg gcatgcaaga 180
tcgaggacac ccttaagaag tcccgggaga ttgtatgtgc tgcgtacaac ctga 234

<210> 21079
<211> 579
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (36),(39),(45)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21079
ggggcgggtt tgacgcatac ggcgactccg gcgtgntana caagngagag acacatggtg 60
cttggggagc ccttgactca cgccgctctc gtccgtgacc ggaatcaaga tgggtctttg 120
tccaccgtct ttgtcctgac gatgcaccac tctgtctgtg atcgttggtc cgtcgggctt 180
ataatggaca gcgttgagac ggcctatacg ggccagacgt taacaacgaa cagcatgggt 240
cccttcctgc agtatatcca gcagcttcag ggaggagacg cgttctggag gtcccagttt 300
gtcggcgtga aggcggaggt gtttccttct ctcccatccc cggaatacac cccaacgcca 360
acagagacga ttgacctatc ggtcgagcta cgggacgctg ttcccggggg ccacacaata 420
gccaatgcaa tcagactggc gtgggctctg gtgattagcc actatacaag ctgctctgat 480
gtggttttcg gcgtcacaat atctggacgc gccgtccctg tgcccgacat agaacgcatt 540
attggcccga tcatagccac ggttcctctg cgtgtgcgc 579

<210> 21080
<211> 264
<212> DNA
<213> A.fumigatus

<400> 21080

tcggctggag cggacggttc ggtcctgtgg agagaggaga tgcggagctg caccatgcgg 60
ctggttcggt atatgctgaa ggttcgtggg ccacatatga ccttgaatct acaacgtatt 120
gactatgtgt cagacaatga gccatatgac gccgagaagc atctcgtcct tggaacctcc 180
gaatctgctg aaacactcgc gaagctcgag tacgagtggt acacgaacga cgaagcccat 240
acggcagcta tatacgcctc tcgt 264

<210> 21081
<211> 426
<212> DNA
<213> A.fumigatus

<400> 21081
ctcagcagtt ccattcagaa agcaatagcc aatgtgcatg tgcacacaat gacagaacga 60
tgtcatccag tcgatgactg cagtgcggag aagatgacat ccgcccccga tacggtaaaa 120
gaggcggccc ttctcgttgt cacagaagga cagcctaata tacagaatgt ctccgaggaa 180
gaatatacag caatggaaag acgcattcga ctcaaagtag acatgcgtct ttgtactatc 240
gccgggatcc tatgcagtct taacctactt gactcgggca ttctgtcatc cgcatcggtc 300
acaagcatgt tcgaggatct tgacttgcga gggtcgcggt attcggtctc tatcttcatc 360
tttacgattg caagtgtcgt cgctcagctg ccttgcaccg ttgccgtgcg cgtggttggc 420
cctcgc 426

<210> 21082
<211> 228
<212> DNA
<213> A.fumigatus

<400> 21082
agacttggaa cctgctctac cattggtaaa cggaccaata ccatcctggg atacagtgag 60
gtgaccctcg aatggcagat cgaggatgac tactacaata ccggcaaccc aaagtcgctc 120
caggctggaa cgtatcgctt ccattattat ggcgatgcca agaatatcca aggccagatc 180
aaatctttcg agggcattgg caagccattc acggtgaatt tgggctga 228

<210> 21083
<211> 264
<212> DNA
<213> A.fumigatus

<400> 21083
ctcaggtcgt ctcagttggt actatctaac cacagtagat tataccatac tctgaagacg 60
ggagcacagc tggctgagtg ggcagagagc acgcattctc tctcacacac gtggaacact 120
agagcagaga atctcaagac ggctattaat caatactgct gggacgatgc atatggagcg 180
ttcaatgaca atgcgacagc cacgagtctt catccccagg acgcaaatag catggcattg 240
cttttcggca ttgtcaacga gaca 264

<210> 21084
<211> 288
<212> DNA
<213> A.fumigatus

<400> 21084
ccgcttgatc ttaccttcgg ccgccgtggt gagacgacag gtgctttcga cgaatcgggg 60
ccaccactca gtcaaaagaa ctcggatacc taccatatgt ggacgatgat cggaacctac 120
aattacgtgc tattctccaa tgataccgac ttccttttaa ccaattggga gaaatatcaa 180
gctgccatgg acttcatcta tggaaaggtg gatgaaaagt cggggttact gatcgtcact 240
gggacacgag attgggctcg atggcaacag ggatataaca actcataa 288

<210> 21085
<211> 705
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (69),(659),(672)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21085
gttcctggtc caaccaagtt ggatcatggc aatggtacat ccatggcagt ggcaaaacaa 60
gcgagtatnt gggcttgtcc cccgacttca aaaacccagc cgacacgagc gacgcccagg 120
gggttcgaat caccattgta tgtcatttac tcgtgcgctg gtgaaagagt gactaacagt 180
aataaggacg gaacctcctt ctggaatgga cagaacatgg agcgatctga actcatcccc 240
cagacaactg ccaatcttgg ctcgggccat ctatactacc acttctccct gtccaccaag 300
acaacaaatg cccctgacgc ctccttcgag catcagatcg cgttcttcga aagccacttc 360
actgagctca agtatggcgc gtccggctca tccgacaaca ccctgcgctg gtatgcaaac 420
ggccaaacac attggtccat ccaactggag ccaggcaact ggtacaactt cgcctacgat 480
atcgactttg cgtcccaaaa ggtgggcctc tgggcgtcta acggctccga tcccttgacc 540
gaggtggtct cgcccgtcag cgcatccacc tttaccaact cggcggactg gcacgttggc 600
cagctgcgcc tgcccaacag gggagcctcc aacgacgcac cggaagactg gttctggtnt 660
ggcatttggc tnttacacga ctggaaatgg aaggtatcgc gttcg 705

<210> 21086
<211> 369
<212> DNA
<213> A.fumigatus

<400> 21086
catgtattgg gacgaatggg ttcaacgagt acttcccact cgctcaagta ccggggcgag 60
ggccagaagc cctacagcgc ccgtaacatt ggcagcatgg tcgctgaggc ctaccgcacc 120
ttgctgtatg gcggtgtctt tgcctacccc gctgacaaga agagtaccaa gggcaagctg 180
cgaatcctgt acgagtgcgc gcctatggcc atgctcttcg agaatgccgg cggtctggcc 240
atcaactccc gcgccgagcg tcttctcgag gtcgtccccg agcacatcca cgaccgcagc 300
ggcgtgtttc ttggctcgaa ggatgaagtg caaaagatca tcgacaccta caacaaacac 360
aagaaatga 369

<210> 21087
<211> 402
<212> DNA
<213> A.fumigatus

<400> 21087
ctagtatgtc gtctctgttg caaaaagcaa atggaacatg ccgctgacat actcaacagc 60
aatgtcgcat tcggctgcaa tctcggcggc accacctcta tctcctgtct ggtttcgcag 120
acggacagca ccacaaccca tgtgactgcc accgccatga tcacagacat cggctctttc 180
tttctgcccg ttgtggtcac cggcactgct accgccggtg ctcacgccac cactggagca 240
tccgtcacag gggccacgcc gtcggcgact ggacagacta ccctggctac gtcgggcccg 300
tctgtgacaa gcggccccca ggccactggc tcttcggctt cggcctcggc cacgccgtcc 360
cacagctccc agcggaaaag cctgccatcc cccaatatta ct 402

<210> 21088
<211> 276
<212> DNA
<213> A.fumigatus

<400> 21088
acgcggacct tccagccccg tggtgaagac gtgtggtatc aatttgaata cccggccttg 60
acacgcgatt ccgcggcccg gtcttccccc gtcctatcca ttctcaaggt tgatcctacc 120
ctcaccgacg ccgatgggaa ctttctcgat gaaggaacag tcatgtggac cccggcccac 180
ggccccagcc cgaatgcccc gcttggcgat gggtattcct tcacttatca gggtgagttg 240
gcgagagtgt gtttccgggg aaatgtgctt aactga 276

<210> 21089
<211> 183
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (50),(87),(149),(159),(161)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21089
ctcctgttat ttgaaatacc tgcgcgaaat tcgataggac atggagtccn atccagtatt 60
ctcgaggata ggctaaacgg gatccangct atggctaggg ttagccgagg tcagctgtgc 120
tccgtaactt gtaagtccgt cgtccgccna ggtccaccna ncgtgcaggc tgtgcaacct 180
tag 183

<210> 21090
<211> 342
<212> DNA
<213> A.fumigatus

<400> 21090
tcagattgca aatattatac atatcaatta aactcattac ctctctccag cctcctcttc 60
agatcgatca gcagactgtt gcccagcaaa atggagacgt cgctacgaga caaagtagct 120
atagtaagcg gttcctcctc gggcattgga gctgctattg tgcgcgagct gtcctctcgc 180
ggggccaata cggtggtcaa ctatcccttc cccagtctcc gagctgaagc agacacattg 240
gtagcctctc ttccctcgcc tgcaattgcc gtaaaggcag acatgtctcg cgcagacgcg 300
cctcaaaagc tagttgacgc ggccgtctct caatgggggt ag 342

<210> 21091
<211> 813
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (543),(549),(611)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21091
cggtctacag gaggggtgct caccttttgag tcatttgcgc gcgactttcg atacagtccc 60
gcagacaaga cccgcgtcag ctccatcgcc gtcggcatcc agcaggccgg cgccctggta 120
ggctgcttcg ccgtctggcc cgtgacgaac cgctggggcc gccggctcgc catgatggca 180
tgttccgccg ttttctgcgt gggggtcatc ctcgaggtca taaatgcgca ctcgctggcc 240
ctgttctacg ccggtcgggt gatctgtggc ctgggaatcg gtggctccgc caccgtcatc 300
cccatctaca tggcggagat gagccccaag gagtcgcgcg cccgcctcgg cagctgctac 360
caattcacct acaccatcgg catcctcgtc tcgtactgga tcgactacgc tgtcaagttc 420
atgcccccct cccccgccca atggcaaatc ccaatcgccc tgcagctcgt ccctggcgcc 480

ctcatgggcc tcggcaccag caccctcccg gagagcgtcc gctggctcct cgccaggggc 540
ggncacgtnc gcgcccactc cagcctgctc tggatccgtg cttcaagccc taactccccc 600
gccctctccg ncgaattctc ccacatgcgc ctcggccttg aacaagagcg caaccgcaca 660
gccaactttc acccccggaa ctccttggcg ggcccccacg cccggcgcct tctcctaggc 720
ttcgggctct tcctggccca acaatcacag gcgccaccgg ccttgcctac tttggcccaa 780
agttttttc cttctggcgg gaacggccaa tag 813

<210> 21092
<211> 219
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222>
(1),(2),(3),(4),(5),(6),(7),(8),(9),(10),(11),(12),(13),(14),(15),(16),(17),(18),(19),(20),(21),(22),(23),(24),(25),(26),(27),(28),(29),(30),(31)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21092
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ntgaagacag cagattcctt cacgaaattc 60
ttccatctct tcattcaaaa gcaattacac cgtttcgact tcccctacat cctattcccc 120
ttcctcgccc acttcttcat atcgtctttg cgaatctgct gcttcgctgg acaagattct 180
ggagccggtc ttcaagcgtc taccccacga ggtatatga 219

<210> 21093
<211> 186
<212> DNA
<213> A.fumigatus

<400> 21093
ggcgcgtgca gcgcatgcgc gcatccttcg gcccccgtgg tgaagaccgg tacacccaaa 60
gtcaagggat caagtaagtt tattgcccca ttggatacgg aacacacccc ctttcataag 120
tactccgtac tccgtccgtt ctctgtcgag gcggatgaac aacctttgac cgttgttgtc 180
acgtga 186

<210> 21094
<211> 603
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222>
(572),(573),(574),(575),(576),(577),(578),(579),(580),(581),(582),(583),(584),(585),(586),(587),(588),(589),(590),(591),(592),(593),(594),(595),(596),(597),(598),(599),(600)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21094
ggccaagtga cggagaattt cgggttgaat gaggtagact tggttaatat gcctatggca 60
gatactcctg cggcgctttc caccgagctt cttccgtacc agcggcaggg gctggcgtgg 120
atgatcgaga aggagtgtcc gcaactgcct gggcctggtt ctcagaacgt ggtgcagctt 180
tggaagagag ctgggaaccg attcaccaac atcgccacaa actactcaac ggctattcca 240
ccccctcttg ctagtggcgg tattctggcc gacgatatgg gtctgggcaa gacaatccaa 300
atcatatcgt tgattttggc caaccctcag ccaaataccc cggagtcatc caagaccacc 360

ctgatcatag cacctgtcgg agtcatgagc aactggagaa accagatcaa agaccatacc 420
cacagtgaga gcacgccaag tgtgctcatt taccatggta ctgggaagaa agaggctgca 480
aaactcgatg agtatgatgt ggtaatcacg agctacggtg ctcttgctgt ggagtatgat 540
ccgagtgcca aagcagcgcc tagtcttcac cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 600
aaa 603

<210> 21095
<211> 867
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222>
(14),(18),(836),(837),(838),(839),(840),(841),(842),(843),(844),(845),(846),(84
7),(848),(849),(850),(851),(852),(853),(854),(855),(856),(857),(858),(859),(860
)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21095
gtccgtggct cccntgancc atggatcttt ggtatggtct ttctcgctac agataccaag 60
accggtcacg atgtggccat caagtgtttg accaaggcac catctgatga tccatcggct 120
ccatctgcca ttgacgatcg ttttgaagag ctctattgtc acaagcgcct tgcccaccat 180
ccgaatatcg tgaatcttat tcactcattc gagactgaaa ctcatttgta ccttgttctg 240
gagtactgcg ccaacggcga tctttacgaa gcaattcggc tcaaccgcgg tcccttggag 300
acggaacatg ttcgcgattt catgctacag ctggttagtg ccgttgagtt ccttcactcg 360
aatggcatgt accaccgtga catcaaaccg gagaacatct tcttgaccca ggacggtaca 420
atgaagctcg gtgactttgg cttggcaact catgctcctt ggtgtcatga ggcgtgtgtt 480
ggaagcgacc gctacatggc ccccgaacag tacgacccag gtgctaatgg ctattcgccg 540
gccaaggctg atatttgggc gattggcatc tgtttgctca atgtcctctt cgctcgcaat 600
ccctttgcaa ctcccacaga atcggacatc ctcttcgcgg attacgttcg tgatcgccag 660
tctcttttcg acatcttcac caatatgtcc caggatactt ttgagatcct gagaattgcc 720
ttggccatcg atcctgagaa gcgctcgctt gctggtgtcc gtgatgccct gttgcgtgtg 780
gtttccttca ccacagacga tgaggtattg gacgattttt gcaccgacgg tcttcnnnnn 840
nnnnnnnnnn nnnnnnnnnn gggcgtc 867

<210> 21096
<211> 609
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222>
(107),(574),(575),(576),(577),(578),(579),(580),(581),(582),(583),(584),(585),(
586),(587),(588),(589),(590),(591),(592),(593),(594),(595),(596),(597),(598),(5
99),(600),(601),(602),(603),(604),(605),(606)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21096
atgcaagagc ctacctggga ctacttttca tatgtacgtt cacccatgca agcgaaacaa 60
gagaccgagc tgatgtctcc agaaaatccc gcgggtccag caacagnact cgtcttcgcg 120
ctctacaaca tcgggtctat ccccgcggtg gtcctctcgg gtcccgtcaa tgactacctg 180
ggccgtcggg ccggcatgtt taccggcgcc gtcatcatca tcattggcac atgcatccag 240
gcgccttcag tcaaccatgg catgttcatg gccggtcgat tcatcctcgg ttttggcgtc 300
agtttctgct gtgtcagtgc gccttgctac gttagcgaaa tggcgcatcc ggcctggaga 360

ggcactctga ccggtctgta caactgtacc tggtatatcg ggtcgattgt cgcgagttgg 420
gtgtcatacg gctgcgctag catcaagagc catgttgggt tccgcatccc catctggtgc 480
cagctggttt cgtcggtgat tgtcgccgtc ggcgtctggt ttctaccaga atcaccacgg 540
tggctgatgg cacaggatcg cgttgagtct tcannnnnnn nnnnnnnnnn nnnnnnnnnn 600
nnnnnntat 609

<210> 21097
<211> 300
<212> DNA
<213> A.fumigatus

<400> 21097
ctaggcaacg agcacgaagt tggccagggc atcaaggata gtggtgtccc tcgcgaaaac 60
attttcatca ccagcaaact gtggaacacc caccagccca acgtcgctga aggtctccag 120
aagacccttg acgctttggg cacggactac cttgatctct atgtaaatcc acaccattct 180
cctttggtca gacgcggcac ggccgctcga tcggccaggc taacattaac gtcagctcat 240
ccactggcca gtccgactag ttcctgtagg ccggccactc ccgccgtttt tcatccatga 300

<210> 21098
<211> 597
<212> DNA
<213> A.fumigatus

<400> 21098
gtaactgtcc tcagccgacc cacaatcagc tccgattttt gcctgaagac gtcatccttg 60
accacttata tccgtcttca cccgtttgcg cgtgtggctg agtggctatt caatgaagat 120
gttatcaagg caatcttcgc aacagctcag caagacgcca gcgaggttgc caacgccgcg 180
tctgactcta tacttattca gtgcttggtc aaaagcatag aagtcatgga cctgatgttg 240
gatctgcaat cgacctactt ccatatcgtc cggccgtcca tcaagtctca ggcaggtgga 300
agcagaatca acgtcgctaa ttcgtcgctt tcatccttcg aggatagcat cctcaacaac 360
ttaacgatta tacctgctct gagcctttat tgcggcgcgg gtcacgagca acttaccgtt 420
acctcaatgg cacttctgga gaaaatgtca agctctagga agttgaacaa gttgtcgtca 480
ccagaaatat cgaattggca atcctcaaac aaaatagttg aagtcctgag cacagaagtg 540
gacgttgaca ctggttcacg cccagttttc acaaaagggg gcgaaggatc cgcgcta 597

<210> 21099
<211> 183
<212> DNA
<213> A.fumigatus

<400> 21099
gacacttccc gagactccag gaagcaaagg gaggaagggg cctgtacttc cgtgacccaa 60
acccttatta ttgatccaac cttgatcatc tacaaagtgg atcaccactg ggcagcacag 120
gatttgttta caacttacaa tgtctgcgag acctctaggc tctctttgtc tattcgtcga 180
tga 183

<210> 21100
<211> 192
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (95)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21100
ttagggtcca atatcttaat actccgggcc atgggaaaga tccaggacac tcgagccagc 60
attaagtatc gattgaggga attctcccct tacanaatat atggcggtag agtagttaat 120
ttgtttaatt tttctgcatt gctattgcaa ctccgtggga attcgataag agaattccag 180
gccttctgtt ga 192

<210> 21101
<211> 204
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (171),(187),(192),(194),(195),(196)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21101
aaaactaact tggagtacca agtccatgtg agactgtttg aaagggcaca taaaggcggt 60
gagagcggcg cttactcaat cgggcccaga agcttggagc ttcggccagg caccttcaag 120
cacgcgtaca ttggagactc actgtccttc atcgtattca ccgcgggctt ncatggactg 180
cagtttnaaa tncnnncggg cccg 204

<210> 21102
<211> 276
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (260),(276)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21102
aactacgccg gtgatatctc actttaccca gccgcactca cggtgcgcac aattaaggca 60
gtcttcccgt cgtgcaggat cttccgcgaa gacgcagccg cggatgccaa gctcgatttc 120
accaacatgg taatcttctg caagaagagc aacacacccc ttcgcttcag ggatccagtc 180
aaagccgatt tcctgggaag caagtctcgt caacactacc ttgtgcccaa gcacgagtct 240
tcaccacggg gctggaagan ggcgctccac tatatn 276

<210> 21103
<211> 366
<212> DNA
<213> A.fumigatus

<400> 21103
ctggactttc ttagtggact tggggttggg accacccccg ctgcgttgat tacgcacggc 60
atcgagacca caatcgtgga gatagatccg gttgtgcata aattcgccat ggaatacttc 120
cacctacctt ccagtcacat tgcagctatt gaagacgctt cagtgtttgt gaagcgtgcc 180
caggaatccc caaaccctgc tcaatacgac tacattgtcc atgacgtctt caccggcggg 240
gcggagccag tcgagctctt cacaatcgaa ttcatcaagg gtctatatga cctattgaaa 300
gaggatggtg ttattgccat tgtaagaccc gcccctccgt tactaactcc gtcacctcat 360
gactga 366

<210> 21104
<211> 402
<212> DNA

<213> A.fumigatus

<400> 21104
ttaccccggc ctcataagtc agcaacaggc ttggctcccg gcactccaac gcatatcctc 60
ggccctcgag agcgcccaga caccagacca cgcccacgcc cacccgcccg cctcctgttc 120
acccgaggct tgtgcaaaca gatcatgcta tcgttctcct ctcctcggtt ccccggctta 180
gccttgctct tctccagatc ctccttacta ccctccgagc ctcccccgcc ccaaccctcc 240
actcactctg tccaaaccat cttctcctgt ctatcctccc tcccaccccc ctcccccccc 300
cccccgcccc ccccccccct ccacccccac ctcccccccc cctccaaccc cccctcctc 360
ctcccccgtt ttactgccct taaaattagc cccccagcat ga 402

<210> 21105
<211> 492
<212> DNA
<213> A.fumigatus

<400> 21105
ccccctcct ctcccccacg cgccgccacc ccccgctcct ccccccccc ccccctctg 60
gggacccacc gagcgagcgt accttcgatc gtccggcgac agtccacacc aggtcatttc 120
gaccccgctg ggcccagtag gctcgctggc gccccccccc ccccccctcc cctcgccccc 180
ccccccccc ccgccccccc gcgccgcccc ccccatcacc cgtgccgacc ccttggactc 240
gcagcggcgc cctcccccgc ccggccttcg ccaggaaccc aagtgcgccc ctccctgttc 300
cctggacagc atttctcccc cccgcgaccc ccccccccact ccccccccc cccgcccccc 360
cccaccgccc cgccccccct cccccgcccc cccccccactg cggacctttc ccagaatcaa 420
cctttccgcc ccccccccc cccgcccccc cccccgcccc cctccccccc cccccacccc 480
ccccccccc cc 492

<210> 21106
<211> 522
<212> DNA
<213> A.fumigatus

<400> 21106
tcaacagaca ccgagcctag aaaatgtaac ccccctcctc tcccccacgc gccgccaccc 60
cccgctcctc ccccccccc ccccctctgg ggacccaccg agcgagcgta ccttcgatcg 120
tccggcgaca gtccacacca ggtcatttcg accccgctgg gcccagtagg ctcgctggcg 180
ccccccccc ccccccctcc ctcgcccccc ccccccccc cgccccccg cgccgccccc 240
cccatcaccc gtgccgaccc cttggactcg cagcggcgcc ctcccccgcc cggccttcgc 300
caggaaccca agtgcgcccc tccctgttcc ctggacagca tttctccccc ccgcgacccc 360
cccccactc ccccccccc ccgcccccc ccaccgcccc gccccccctc ccccgccccc 420
cccccactgc ggacctttcc cagaatcaac ctttccgccc ccccccccc ccgccccccc 480
ccccgccccc ctccccccc ccccacccc ccccccccc cc 522

<210> 21107
<211> 552
<212> DNA
<213> A.fumigatus

<400> 21107
ggggggggg gggggtggg ggggggggga gggggcggg gggggggcg gggggggggg 60
ggggcggaaa ggttgattct gggaaaggtc cgcagtgggg gggggcggg ggaggggggg 120
cggggcggtg gggggggcg gggggggggg ggagtggggg gggggtcgcg gggggagaa 180
atgctgtcca gggaacaggg aggggcgcac ttgggttcct ggcgaaggcc gggcgggga 240
gggcgccgct gcgagtccaa ggggtcggca cgggtgatgg gggggcggc gcgggggggc 300
gggggggggg gggggggcga ggggaggggg gggggggggg gcgccagcga gcctactggg 360
cccagcgggg tcgaaatgac ctggtgtgga ctgtcgccgg acgatcgaag gtacgctcgc 420

tcggtgggtc cccagagggg gggggggggg ggaggagcgg ggggtggcgg cgcgtggggg 480
agaggagggg ggttacattt tctaggctcg gtgtctgttg atcagagaca gtggcccctg 540
ctgcagctgt ag 552

<210> 21108
<211> 522
<212> DNA
<213> A.fumigatus

<400> 21108
gggggggggg gggggggtgg gggggggggg agggggcgg gggggggggc gggggggggg 60
gggggcggaa aggttgattc tgggaaaggt ccgcagtggg gggggggcgg gggagggggg 120
gcggggcggt gggggggggc gggggggggg gggagtgggg gggggtcgc gggggggaga 180
aatgctgtcc agggaacagg gaggggcgca cttgggttcc tggcgaaggc cgggcggggg 240
agggcgccgc tgcgagtcca aggggtcggc acgggtgatg gggggggcgg cgcgggggg 300
cgggggggg gggggggcg aggggagggg gggggggggg ggcgccagcg agcctactgg 360
gcccagcggg gtcgaaatga cctggtgtgg actgtcgccg gacgatcgaa ggtacgctcg 420
ctcggtgggt ccccagaggg gggggggggg gggaggagcg gggggtggcg gcgcgtgggg 480
gagaggaggg gggttacatt ttctaggctc ggtgtctgtt ga 522

<210> 21109
<211> 345
<212> DNA
<213> A.fumigatus

<400> 21109
catcctgatg gtggatgcca accaggtacg actccactcc ttcctgctga tttaagccac 60
tggactaacg ctttgagttt tcaggtctgg tccgtccccg aagccatcga atggatgcac 120
caacttgccg agttcaagcc ctggttcatc gaagagccca cctcccccga tgacatcctc 180
ggccacgccg ccatcaagaa ggccctcgag aacaccccgc acggcaccat cggcgtcgcc 240
accggcgaga tgtgccagaa ccgcgtcgtc ttcaagcagc tcctgcagac gggagcgctc 300
accgtcctcc agttttcaac acgccgcagc aaggaaagat gtaac 345

<210> 21110
<211> 204
<212> DNA
<213> A.fumigatus

<400> 21110
ggttacagcg aggataagct gcgtgcgttg ctgaaggaga gtgtcgctca gggctacaag 60
cacttcaagc tcaaggtcgg cgccaacgtg gaggaggacc gtcgcagatt gactatcgct 120
cgggaggcca tcggttacga ccggggtaac atcctgatgg tggatgccaa ccaggtacga 180
ctccactcct tcctgctgat ttaa 204

<210> 21111
<211> 204
<212> DNA
<213> A.fumigatus

<400> 21111
tttacacctg atgattcgaa ccgttcgata tccttagtat atggtgattc gaaccattca 60
aagaatactt acgacaatca aggcctccct aggttttgga tggacaatag tatgtatttt 120
ctgtgtgaat ataccctac cctatttttt tgcagttatg gaccagatat tatgtatgag 180
ttctcgatat ccctctctat ctag 204

<210> 21112

<211> 387
<212> DNA
<213> A.fumigatus

<400> 21112
ggtgcatttg acgcccttcc gcccctggtg aagactctca cctacgtgct cggcggtatc 60
tcggagattt ttgcttcggt gacttcgctc gagtatgcct ttaccaaggc gcccaagaac 120
atgcgctcgc ttgtgcaggc ggtggcgctg ttcatgaatg ccttctcgtc tgcgctgggc 180
caggcgctcg tcagtctgtc cgaggatccg ctgctcgtct ggaactatac tgttgtggcg 240
atcctggcgt tcgtcggcgg cattggcttc tggctgacca actacaagtt ggataagcag 300
gaggatgcgc tgaataactt gccggccagt cgctacggtg gcgacaatcc cgatcctaag 360
ctggatgagg agtccgtgcg gcagtaa 387

<210> 21113
<211> 396
<212> DNA
<213> A.fumigatus

<400> 21113
actcagatgc gctccttgca gcccccctgtg aagactagaa tgatatacta tcgtagaaat 60
atgtccagta atgccatgct accaatcaga aaatcaaatc ccacaccaca agccatgtac 120
acaatcccac cgtcccccaa aacactgcct gcgccgtact ccgccgctgc gttgcgcgct 180
tcagctcctt attcccctgc ccgatgttcg tcgttgtcgt cgaagcgtcc atcaccagct 240
gctcgatata ctcctcctgc gtcgacagat gcgacacaag cgtctgctgg agggaggaga 300
tctccaggag cgatttctcg gcattcctgc acgaaacaca caacagcgtt agctatctcg 360
cccacccacc tccgccagag tgtaagagaa gagtag 396

<210> 21114
<211> 261
<212> DNA
<213> A.fumigatus

<400> 21114
cttcgtaacg acattatcag ctttgatcag aatcgaaagc gcattgtctc cacattttgg 60
acatttgatc acatcacata cctcaagtcg gcatttgacc ttatccatcg aagcaacaat 120
cggaacactc aagtgtacaa gatgattgga agtctgttct tcatcttcaa ccgcttggtg 180
gagattgtat tcctgattcc gatcattggc atgatggtaa gcatctatac ttgtctggca 240
tatgcatttc caggatccta a 261

<210> 21115
<211> 489
<212> DNA
<213> A.fumigatus

<400> 21115
ctcgtgggca ccgtttccgg tacctactgg gctacctgta cccctgtagc tgccgagatt 60
ctcggtctcc gtgacctccc cagcggcctt agcatcacct ggctgatgct cgtgcctccg 120
acgacggtct cggaggcgat cgccctattg ctgcgcgata acaagtccgc agattccaag 180
tatctgaagg tgcagatctt cacaggcttc atgtatatcg gcagtgcgct gtgtctttgg 240
cttgtccggg gctggaaagt aggcgacctg gctcgtgcca aggaagaagc tgtcgctgcg 300
gtggacaccc gacaagcggg tgactgtgca gctgggagtg cgccgtctgc tggtgtagcc 360
gaggacgctg aaaccgagaa acagggtcaa acggtcgacc ctgcgttctc catgcacacg 420
gcgtcgaatc ggaacccctg gacgcctgcg acactgttac gcggcatggt ggctttgaag 480
cgggtatga 489

<210> 21116

<211> 342
<212> DNA
<213> A.fumigatus

<400> 21116
agactccttg cgatacagga aaagggtgtc tcagcatggg aatttcaacc agagttggaa 60
attgccaact gttttgtcga aggccgaacg gaaatcgaat tctatgattc ggaatgtagt 120
gtgcagacca acttgccagt tcccaagcag aatgacgtct attactggga agcgaagatc 180
tacgagaagc cagaaagcac tctcatcagc atcggcatga ccacaaaacc gtatccgcta 240
tttcgactac cgggtatgtc aatgtccgaa tattcaacac tagttctcct gcactcctgt 300
tgctgctcct gttgctgctc ctgttgctgc tcctgttgct aa 342

<210> 21117
<211> 288
<212> DNA
<213> A.fumigatus

<400> 21117
ttctcctgca ctcctgttgc tgctcctgtt gctgctcctg ttgctgctcc tgttgctaac 60
acaatttctc ccttcacagg cttccataaa acttccgttg cctacttatc aacaggtcac 120
cgccgatata atcagccatt ctccgcgtcg ccctacggcc ctgctttagc acaaggcgat 180
gtggttggcg tagggtaccg accacggtcc ggcacaatct tcttcactcg caacggcaag 240
aagttagagg atgtggtcca tggggctaag acacagaatt tcttccct 288

<210> 21118
<211> 240
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (191)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21118
catactgttc cttccgattc ttgggaaatg attattggtg gctacccagt acggtatgtg 60
gtgcgtttcg gcaaacaggg ttatcagatg aagatttacg gccacaaaga cccacgccaa 120
gatacagaat ctgtattatt gattcatgcg attaatagtg gatggctttt tcttgtgttg 180
aatcggtttt ntatgtcttc ctttttcact tcgggaagtg ccggtccgcg cttagttaat 240

<210> 21119
<211> 441
<212> DNA
<213> A.fumigatus

<400> 21119
atgtcgcgtg atgggacata cggcattcct tcacctcagt tccaggccac cccctcatca 60
cacgtgtcgt ccccttcgca taccaagtct cccggttttg cattccaagg agccatgtcg 120
ccgaacggga tggacgcgca acaagcccag cacgcgcggt ctcaactgaa cctccattct 180
aggaatatga gtcagacatc tcccccgata agcatcggtc agcccgagtc gactgatccc 240
aaatcggctg tgtcaggtgg cccgggtccc agagtctccc gcgtgccctc tgctgcgtat 300
tatccatcgc ctttccagaa acattacgat cagttgggta agctgacctt cgttaccgtc 360
gctttgcctt ttttttttcat tgttttcctt acagaagtga tttcgtgtac tcatactttc 420
ccctgtagaa caggaatatg a 441

<210> 21120

<211> 210
<212> DNA
<213> A.fumigatus

<400> 21120
tttcgtgtac tcatactttc ccctgtagaa caggaatatg atgcccaggc agacatgatc 60
gacgaagaac atgagtcggt tgatgcgcct ccctacgtct ccggattcaa tgccgctact 120
acttctgtcc ctcccggctc tcattcgcta ggtcctcaac tggccaattt caatgtcttc 180
accaggggct acagggccgc gctaggtctc 210

<210> 21121
<211> 231
<212> DNA
<213> A.fumigatus

<400> 21121
tcgatcaaca tgtctgacaa caacaacaac gcttccaccc tcaacagcta catcaaccag 60
gctaccggcc tcgcccagcg tgccatgggc tccgttaccg gcaacccatc cactcaggtc 120
tgcacggacc ccatcccccc tcgatataca acgtataatc cactaacaac atctcaggcc 180
aaaggcgaat ccacccacac ccaaggcaaa gccgagtacg ccgccagcca c 231

<210> 21122
<211> 459
<212> DNA
<213> A.fumigatus

<400> 21122
tacgcaatgc gtggctgctt ccggctcgct gtggtgaaga ccgacagccc tgcacaggcc 60
atcacagact cccccgccaa tccgcaagca gacttcggtc cgacaattcg cggtccccta 120
ggctggattg tgcatgcgcg ctccggcgat aaaggcccag acgctaactg cgggttctgg 180
gtgcgccatc acgacgagta cctctggctc cgctcgttgc tgtccgcgcc aaaggcgaag 240
gagctcctgg gtgaggcgta taacgcgaat cccgagttgc agattgaacg gttcgaactg 300
ccgaatctac gggctgtgca tttcttgttt cggaatttgc tggatcgggg agttgggatc 360
acgaccaccg tggattttct ggggaagaat gtggcggagt atttgcgcgc gaggtgggtg 420
gatttgcctg tgaagttttt gaataggggg aaattgtaa 459

<210> 21123
<211> 198
<212> DNA
<213> A.fumigatus

<400> 21123
acttttgaca ttcgcaaatg cgacaaccca tctcacctcc tctatgtgtt ccccgacgcc 60
cagcagcaat ggcatgctaa gatttcaaat ggaaagcaac catacaggaa agcagaacca 120
acccattcca ctcagcggac aaaaacaaag aaaacacgca agtatacata cgctcaacac 180
ccagatgcta tgcattag 198

<210> 21124
<211> 861
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (860),(861)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21124
ggttgggtcc tgggatacgg ggggacccta aatatttggg tcttttggct tcagattgca 60
cgaattgttc cttgtcagcg acaagaaaca ttcggcgaag ccgtttcaaa gtctctcaag 120
ttattaccgc tgaactgggc tgtcgggtat gggacaggat tggtcagcgg cgtcttgggg 180
actgacagtc tctcacttgc tggtttggat gtaaatatga catttggctt ggccaaaaat 240
gcttccaccg attttgaatc ttatcccgtg gatggtattc tgggcttggg acgatcggct 300
aatagcaatt ttaacactcc atcgttcatg gaaaccgtcg cgacgcagcg ccttctcaaa 360
tccaatatta tcggattcag cttctctcgc aactcggatg gtgccagaga tggagcggcg 420
aattttggtg acctggatac caccaggttc acgggtgata ttgtctacac gaacacaact 480
ggagatagca ataactggag gataccctg gacgatgcca gtgtgaatgg tacgccttgt 540
cgtttcgtca ataagaccgc cgtcatcgac actggcacat cgtacgccat gcttcccccg 600
aaagacgcta cagtgttgca caacctcatt cctggtgcag tcacgacctc acacgggcag 660
aatttcacac tgccgtgcaa ctcgacggca gtagtgcaag tgagcttctc gggccttagc 720
tacaacatct cccccaagca ttacgtcgga ccagcatacg gttcagcgtg cttgtccact 780
attgtgggac aagccttgta cggagacgac gtgtggctct tgggcgatgt cttcacccgg 840
ggtggccagg gcgctccatn n 861

<210> 21125
<211> 525
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (493)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21125
cgtcgaagat cccctggtag tcatgccacc aggaaaagtc gattactctc tgcagacgta 60
ctccaaaaac ctgacaaccg gaagaaccag aaccacccac taagatgcat agcttcttct 120
ccgtcttctc caaatccatc taccaactct gcaacgacct cgacagcctc gcctacgcca 180
cctcctccgt cctacaagac ttcctcgccg acggcgtccg ctacctcgaa ctccgcacca 240
tcccccgcgc ctcgcccacc ctcgccttca cccgaacaga atacctcacc accgtcctca 300
ccaccatcga aacgtttttg tcggctcact cctcccaaat ctcagtctac ctcatcctcg 360
ccatcgaccg cggcaacgac accgccgccg acgccctctc catcgtcgac ctggccattg 420
cgcaccgccc ccgcgtcgtc ggcgtcgata tctgcggcaa ccccacgaaa ggcgacgtcg 480
cgctgtacgg tcncgccctc gccaaagcca aggcccacgg cctag 525

<210> 21126
<211> 693
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (381),(519),(606),(637),(656),(671)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21126
cttcttctcc gtcttctcca aatccatcta ccaactctgc aacgacctcg acagcctcgc 60
ctacgccacc tcctccgtcc tacaagactt cctcgccgac ggcgtccgct acctcgaact 120
ccgcaccatc ccccgcgcct cgcccaccct cgccttcacc cgaacagaat acctcaccac 180
cgtcctcacc accatcgaaa cgtttttgtc ggctcactcc tcccaaatct cagtctacct 240
catcctcgcc atcgaccgcg gcaacgacac cgccgccgac gccctctcca tcgtcgacct 300
ggccattgcg caccgccccc gcgtcgtcgg cgtcgatatc tgcggcaacc ccacgaaagg 360

cgacgtcgcg ctgtacggtc ncgccctcgc caaagccaag gcccacggcc taggcatcac 420
cgtgcacttc gccgagaacg aggctccggc tcggagcggg aattaagcac gctgttatcg 480
ttccgggcgg gacgtctggg gcatgtcatc catgtgtcng aggacttcaa gcgcgagatt 540
gcgcgccggg cgctggggct cgagctgtgc atgtcgtgtt atgtgcatgc ggagatgatc 600
gatggngggt gccccgcgca tcattttggg tattggnagg catgtggatt gtccantggg 660
ttggtgtgta ngttccctcc gccccttttt aat 693

<210> 21127
<211> 504
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (419)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21127
caaccggaag aaccagaacc acccactaag atgcatagct tcttctccgt cttctccaaa 60
tccatctacc aactctgcaa cgacctcgac agcctcgcct acgccacctc ctccgtccta 120
caagacttcc tcgccgacgg cgtccgctac ctcgaactcc gcaccatccc ccgcgcctcg 180
cccaccctcg ccttcacccg aacagaatac ctcaccaccg tcctcaccac catcgaaacg 240
tttttgtcgg ctcactcctc ccaaatctca gtctacctca tcctcgccat cgaccgcggc 300
aacgacaccg ccgccgacgc cctctccatc gtcgacctgg ccattgcgca ccgcccccgc 360
gtcgtcggcg tcgatatctg cggcaacccc acgaaaggcg acgtcgcgct gtacggtcnc 420
gccctcgcca aagccaaggc ccacggccta ggcatcaccg tgcacttcgc cgagaacgag 480
gctccggctc ggagcgggaa ttaa 504

<210> 21128
<211> 345
<212> DNA
<213> A.fumigatus

<400> 21128
cgcggtttct tccatccccg tggtcgaatg agcgcagaca agtcgaatct gaaggagtac 60
taccaacccg tcacgatacg catctacagc tccaacccga agatactaga gcctctggca 120
cgggtggtca agccagcaga tgaggtgcgc aagtacatga atgaagtaat ggaccgcgca 180
gaacgtgccc ccgagggatt cctggcctta cgccttccgc gcgagaacaa ggatgaacac 240
gagcccgagg acacgagaaa aagcggaact cctgctcctg ccgcaaattc aggcgcgcgc 300
agtcggttcc taaagagtaa cgctgccggg gggggggaaa atttc 345

<210> 21129
<211> 420
<212> DNA
<213> A.fumigatus

<400> 21129
gaactttacc gcccctcgga gagcaacatg ctcttcgacg cgccttcgct cgtcctctac 60
atgtgcggca tcaccgtcta catcgccaat atcgtcaagg gtctgcgtct ggcctcggcg 120
ggcaagtacg gtgaggagct ggcgaccagc cccgaggaga aagaccagat tctgaaccgc 180
gaggattcgc tcaaggtgct gtcggctagt aataccattc tggcgttggt gttggtgggg 240
gtgttggtgt tgcaggcggg gcagtggtat gcggagcgga aggatgcgca ggagtatgag 300
tcgttgagga aggggcataa ggagggtggt ggtggtggtg cttcttcttc gtcggcgtcg 360
ggggcggcgg cggcggcgaa gcctggcagg caagggagtg tgaagaagaa gagtaactag 420

<210> 21130

<211> 507
<212> DNA
<213> A.fumigatus

<400> 21130
aagactcgta agtgtccagc ggccatatcg cggaattttc attcactgac aatgggtagg 60
tttggtggat tcgagtatgg ataccaacaa ggagtgctcg ggcaatcgtt ggtgatgacg 120
cggtttaccg aaaacttctc atcggtcgta cactcctctg cggctaccgg atggcttacc 180
tccgttcttc agctgggtgg tattgtggga tcgctatctg cgggcatctt cggcgagatc 240
ttttcgagaa agtacaccat gtttgcggca tgctgctggg tcatccttgg aagttatctg 300
tacgtcggtg cttcggcagg aatggcctcg ctcctgtacg tctggactaa tctttaccgg 360
tctgggagtc ggtcttttca gcggtgttgg ccccttgtac aatgcctaac tggctgctcc 420
ggagatgcgc ggtctcctgg tatccttcta tcaattcgcg accatcctga ggatcatgat 480
ttccttctgg gtgggctatg gcagtaa 507

<210> 21131
<211> 228
<212> DNA
<213> A.fumigatus

<400> 21131
gatttcttcg tttcccccgg tgaccctgct ttctacctcc accacgccgc catcgaccgt 60
gtcttctgga cgtggcagaa tcaggacccc aagtcgcgga cgtatgtcgt ggcaggacag 120
accatccttc ccagtctggt gccagatgcg cccaatgcta ctctggatga tatcgtcgat 180
atgggcagtg cgctggctcc gccgcagact atccggcagc tgttggat 228

<210> 21132
<211> 237
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (201),(215),(226)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21132
tgcttcttgt ttgcctgcct tgcaatcgca acttgggaca acctgtctat tagcagtctc 60
acgagttatg ctagttggct gccattgaag tctcaggata tgtactcttc ctacaccctt 120
ttaaaacaaa gaacaaccaa tagtcctgga gatatgtgtc cgatgaacag ttatagtcac 180
gccacaagtc ttcactttcg nactgactgg accgncactt attttntggg cccggat 237

<210> 21133
<211> 219
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (212),(213)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21133
atagcttcaa ttataaaatg gtctctagtg cagaatagcc gaagtgtgta taccgtttcc 60
tctctgcttc tttacacact ctccatgcaa ctacttgaca tttcgaagag agacgtctca 120
agttggttct ttgaccggga agcctgcaag cgctctcttc ggggacttgt tcagtcttca 180

ccgggggttc aagagaggtc tgtatctaaa annccccgcg 219

<210> 21134
<211> 561
<212> DNA
<213> A.fumigatus

<400> 21134
ctcgaggcga atctaccgcg gaggctggtt tttgaccttc tcgagttgta ctttacgagc 60
gccttttcca cgcatatgca ccccgtgtgc caccatatcc attgttatgt ccttcgcaag 120
gcctcattcc tgagccggga gaacccgcgg ccgagtagcc cggctctgct ggcaagcatg 180
ctctgggttg ctgccctgga cgatcgggcg tttgcactct ccatttcccc gccgcagcgc 240
aagaagattt gtcaattctt gtgcgccttg acgatacgat tactccgacc gttgattcac 300
gtgtccttta aggagcaggc cggttccaac gcgagtgacc cgaccttcac tggggttgct 360
ccggaatgtc ctcccaccac cgtgcaccat ccgtttgaat cgagcggcga cgatcgcggt 420
ctagtcgggc ccgcggggtc cttggatgat gtgattacct atatacatgt ggcatctata 480
atttcttcta gcgaacaaaa ggccgctagc atgcgatggt ttgttttgtc acctttcgc 540
ggctgtaggc gtcgagactg a 561

<210> 21135
<211> 198
<212> DNA
<213> A.fumigatus

<400> 21135
atttcgtttc tattttattt tgttttattt tatttcattt tcattttcat tttatttttt 60
atttttattt ttatttttat ttttattttt atttttattt ttatttttat ttttatttct 120
atttttattt ttatttttat ttccgatcgg ttttgttttc ttgtgagcaa gacgtacagc 180
atgtattttt atcaatag 198

<210> 21136
<211> 228
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (225)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21136
agcatagaag gcacacccgc ccgtatcacc agtgcgttac aactccaccc gaccagacac 60
cttaatgttt tctacttgtt attgttcgac tatataatat caagtattac caccactatc 120
acagcgcttt tctctattat gcttaaacct ggagtcgcca gcatcgtccc atccatctac 180
ttcaccaagg ggcggaaggt ccgcgcatgc ggtaacccgt ctgantcc 228

<210> 21137
<211> 669
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (259),(267),(273),(274),(275),(276),(280),(283),(633),(661),(662)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21137
acgagttctc taaaaatcat tcttcttcca cggaataaag tgcaggatcg catcgtcggc 60
aaaaccccac cccgcaacac caccgagggt ggcgtatggg gcgctctcca cgacggctcc 120
gctatccaac aaatcggtac ccagtggttg gtcctcatca tgctattagc ggtcctccag 180
atgctgcgca tcaaatactt cgtcgcctct atccgcgccc aatatgacta ccttctctcc 240
ccagcgctct ccaaacagnt aaacagngtt ttnnnngtcn tcntcccccc tggcggcctt 300
ctctccgtcc ccttcatcgg cactatcctc gacaccttga aaacccaaca cgtcctcctc 360
atcctcgtct ccaccgccac cgtcatcggc atcctcggct gcattcccca cagcctcccc 420
gccggctacg ccaacatcgc cctctttgtc atctaccggc ccttctacta caccgccgtc 480
tccgactacg ccgccaaggt tttcggcttc cagaccttcg gcaaggtcta cgggctgatc 540
atctgtctag cggggctcgg caatttcctc caggcgggcc tcgacgccct gacgttcaag 600
ctgttcgcgc gggatcgtct tcacccgggg cgnaagatcg cacgtcatca atttaaaatt 660
nncgcgggc 669

<210> 21138
<211> 246
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (225)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21138
gcttacaatc ctcctaggtt catggcctcg gaagccgatc tagacacgga gattaaagga 60
ctctcaatct tatccgaaca tcctgaatta tacgcggaat tcgccaagtt gggatgtgtg 120
gggtctctaa catcattgct gtcccatgaa aatgcagata ttgccattga cgcaatccag 180
atcatcagtg agttgacgga taaagatgta gggacttcac acggngtcgt aggagactca 240
gtttaa 246

<210> 21139
<211> 453
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (91),(318)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21139
aaagtcaaca acacgcggta caactctcct ggtgtgccgc gtctcggtct acccgcgtac 60
aattggtgga gcgaagcatt acacggcgta ncaggatcac cgggcgtcga gttcgccgac 120
agcggcccat tcagctatgc cacctcattc ccccagccta ttctcctggg tgcaaccttc 180
gacgacgacc tgatcaaaca agtcgccacc gtagtaagca ccgagggtcg ggcattcggt 240
aacgctggtc gctccggact ggacttctgg acgccgaaca tcaacccctt ccgcgatgcg 300
cgctggggca ggggacanga tacacccggt gaatacccgc tgcacgtctc gcggtatgtc 360
tatcatctcg ttgatgggct acagaatggc attggcccgg cgaatcccaa ggtcgtcgcc 420
acatgcaagc ctttcgccgc gtatgacctg tag 453

<210> 21140
<211> 396
<212> DNA
<213> A.fumigatus

<400> 21140
gtagggagcg cttgtccttc cagcccggtg gtgaagacgg accgatccgt agcagttgcc 60
ctcggccggc ctattggaat taacaccgac gactccgacg tgggcatgtt gaccgaggac 120
gattttattg aggacgagat cgacagcgtc gccgagtacc ctccagaccc tgtacacgta 180
cagttctttc ttcagtacgt caagctgtgc gaaatcatgg gtctagtgct gtctcaacaa 240
tactctgtgg cgtccaagtc tcggaggatg aacgccatgg acttgacgca ttcagatatg 300
gctctagcag actggcttca gaattgccca aaggaggtat gctggcagaa gtcccggcat 360
cacttcttgg cagctcttct tcatgcgaac tactag 396

<210> 21141
<211> 210
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (54),(159),(166),(180)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21141
ctttccaaca gcgtctacag cttgttctcg gcgttgatca tgcacgtcta ccanatgcgg 60
tcatcagtac catctattgt tacgacgtgc caggaaaaaa tcaacatttg catgccaggc 120
cttgaaagac ttgtccaaag gtttggcttg gtggcaaana atggtncaca actggttccn 180
agtcgaatct tggggcaaca aattcctcca 210

<210> 21142
<211> 666
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (509),(523),(525),(595)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21142
ggacgagatc gacagcgtcg ccgagtaccc tccagaccct gtacacgtac agttctttct 60
tcagtacgtc aagctgtgcg aaatcatggg tctagtgctg tctcaacaat actctgtggc 120
gtccaagtct cggaggatga acgccatgga cttgacgcat tcagatatgg ctctagcaga 180
ctggcttcag aattgcccaa aggaggtatg ctggcagaag tcccggcatc acttcttggc 240
agctcttctt catgcgaact actagtgagt gcagaaagga cgtgccatct ttggaagacc 300
atgactaatg aacccagcac caccctgtgt ctcctgcatc gagcacacat gcctcctgct 360
tcgtcggcgc caaacagcta ccgtgtggag gagatggcgt atccgtctcg tactattgcc 420
ttccaggctg cagggatgat tacctctatc gtcgaaaacc tccagacaca tcaagaaatc 480
cgatatgctc ctgcgttcat gttggtctnt ccttttaaag atntntacta cctcctgcta 540
actttccaac agcgtctaca gcttgttctc ggcgttgatc atgcacgtct accanatgcg 600
gtcatcagta ccatctattg ttacgacgtg ccaggaaaaa atcaacattt gcatgccagg 660
ccttga 666

<210> 21143
<211> 288
<212> DNA
<213> A.fumigatus

<400> 21143
cgggggtgtc cttcttcccg cgttgtcaga acagcggact ccttccgcat cgagtcgctg 60

attcccgctg agctggcgtc gctgccttcc accgcggacg gcatctcgca gttcatgacg 120
aaactgccta gcttcgattc gcagatggcg gctatcaagg agggggccga gaagcagggc 180
aaggtcgtgc ggtacgtggg tagtgtggat gtagcaaaga aaggaggttc gcgttgggct 240
acaacagttc gacaaggaca gtgctattgc gggactcaag ggcagtga 288

<210> 21144
<211> 207
<212> DNA
<213> A.fumigatus

<400> 21144
caaagaaagg aggttcgcgt tgggctacaa cagttcgaca aggacagtgc tattgcggga 60
ctcaagggca gtgacaacat catcagcttc tacaccaagc ggtacggaag caacccgctt 120
attgtacagg gcgccggtgc gggcggcgaa gtcacggcca tgggcgtgac ggccgatctc 180
atcaaggtca ttcagcgatt gggttag 207

<210> 21145
<211> 276
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (14),(17),(20),(25),(29),(30),(39),(40),(47),(51),(52),(53),(65),(79)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21145
ctgcgaagga aacngangan gccanggann gaggaatcnn ttggttnccc nnngaaggcc 60
ttgcnaaacc aactaaacnc atggccacat tcacaaagtg atgcggtttg ctctggtccc 120
aatcgtcccc cacggcaaaa gccgaatcgg ggtactccgg tgggtatgta ttttatggcc 180
cccttcctcc tgggttccgt taaaaaaatt atgggcggaa caattgtttg gcgccctcca 240
aaaattttgc gggggggaatc ggggtgtttt ccattt 276

<210> 21146
<211> 261
<212> DNA
<213> A.fumigatus

<400> 21146
cgtctccacc ggtcaagaat gtcgatcgcc acgcccatca accttatcct cctatctctc 60
ttcgcaatcc tggtctacat gcaactccgc cccaaggcgc ccgtcgccct cccgcaagct 120
cccccgcctg tcgtgttccg caccttcaca ccaaccaccc tccttgaata caatggcgaa 180
tgcgataaac ccgtctatct tgccgtccgt ggacgagtct tcgacgtgac cccaggcaag 240
aacttctacg gccctgtatg c 261

<210> 21147
<211> 414
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (57),(317),(382)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21147

aaaagaggag agagaggacg gaaatggaga gagagaagca gggaggagac ggaaagnaga 60
caggggagag acagagagag accaggacag acaagcgaag acgacaggaa cagagagcgg 120
aggcaacggg aagatgaaca cagacggaga agaagagggg gaagaggaga gccagcgaga 180
aggaaagaga agagacggca ggaggacaag agggagagga agaggaacaa gggaggagga 240
gcgaagaaag ccgggcgggg gagagaaaag agagaaggag cgaaaaagga gaaacagacg 300
aggggaggaa gggcggnggg gaggaggggg gccgggggggg ccccccccccc ccccccccct 360
cttgtgtctt ttttaatttt tnatagaaaa cctctttgga ctattactcg gtaa 414

<210> 21148
<211> 417
<212> DNA
<213> A.fumigatus

<400> 21148
gataatcggt ctattttcca tagtcatccc ctcataacac ctcaaatcca attgtcagag 60
tcaattaatt ctacctatca attcaaaatg tctgcttccg ttcctgctcc ggacgctaat 120
caggattaca aggcatcact actcacacta ctgatctcta acaacgtcct ttcttacggc 180
acatatactc tcaagtccgg tcgtgaatct ccctacttct tcacttcgtc tctgcttcac 240
actgcaccac tcctccgggc cacatctgcc gcctacgcca gcgttctgtc cgccgagcct 300
tttgtaaaga ctgccaacga tggcacactc agacacaagt ttgatataca tttgcgggta 360
ctttcttcgc ttggagcgtc tctatcccgt gatatgaaac agtactatcg ggtctga 417

<210> 21149
<211> 339
<212> DNA
<213> A.fumigatus

<400> 21149
gtgtcctctt gtgggtatac cttcctgtgg aatctgctcg attactctgc gggtgtatta 60
cccgtttcgc acgtcgaccc gaagaaggat gcgctctcgg cgccgtataa aaccgttcta 120
aagcaacttg gcgccaatca tgccattgcc cgcggggcgt ggaagcatta cgatgcggcc 180
aagatggcgg gtctcccgac tgcggtgcag gttgttggga gacggtggca ggaagagaag 240
gttttggggt atatggctgt tgtggagcag gcgctggagg ggtattatga taaggagact 300
ggcgagggag ggaagtaccc gctgctcgag attgactga 339

<210> 21150
<211> 534
<212> DNA
<213> A.fumigatus

<400> 21150
gacgacgaaa acagcgacga cggccaagac gacgtacaag cgtcattaag caacatctct 60
tttggtgccc tcgccaaagc gcaagcctcc ttgggcccca cagccaagcg caaatccaaa 120
gccacccaat caaaaacaga tgatggagaa accccagctg cctctccatt agacgacatt 180
cgcgcacgca tccgcgaagc ccgagaacaa aaacgagagg gatcctcaaa gtcgaaagac 240
ttggagaagt tttctcgctc ctccaaacac gcaccgatgg tgcagtcatc caaacacccc 300
gttacccgca agcgcacaat catcgagccg ccggcggccc tcaaatcgcg agacccgcga 360
ttcgatcccg cggtacgcag ccaaagcggg cgtagtgaag cttcccaaag cgcctacgcc 420
tttttggacg attaccgcgc tgcggagctc aaggaaatga aggagaagct cgcaaagaac 480
aaggatccac gacaaaagga agcactgaag cgtgatatcc gatcggctac ggac 534

<210> 21151
<211> 330
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (87)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21151
accatactca gtactctcgt ctatataatc aacccgatgc ggtactataa aataaacctc 60
ttcaccccgc aggcggccgg gttgtgnatt agtacgaccc cctttcagcc ccgcggtgaa 120
gactcctcct ttttcttctt tgatttcgag gccttggatt tcttctcctt ttccggtttg 180
cgctccttct tcttgctcgg tgtttcttcc aaggctcccg tatctgcatc ggcagtgcta 240
ggagcagctg aggacaaacc tgctaatgcg ccagacatag tgctcgaggg ttcccactgg 300
ccctgtggcc gaggggtcat agaagagtaa 330

<210> 21152
<211> 417
<212> DNA
<213> A.fumigatus

<400> 21152
ggtttccccg ccgccgaggg ctacttccag tccgtctcgg gccaccgtgt ccgcgggact 60
gtccggttca gagtcgtcga tatcgacgtc attcccggtt ctgatcgcga acgtggcttc 120
ctcagtatcg agggcacaat gctgtcgccc gaagaggaag cccgagtcct cgacgacgag 180
cgcaatggga attactcttc tatgaccccc cggccacagg gccagtggga accctcgagc 240
actatgtctg gcgcattagc aggtttgtcc tcagctgctc ctagcactgc cgatgcagat 300
acgggagcct tggaagaaac accgagcaag aagaaggagc gcaaaccgga aaaggagaag 360
aaatccaagg cctcgaaatc aaagaagaaa aaggaggagt cttcaccgcg gggctga 417

<210> 21153
<211> 666
<212> DNA
<213> A.fumigatus

<400> 21153
cagctgtggg ttgacctgcc caaggagctg aagatgtgcg agccgcggta ccgcgacctc 60
cgcgcgagcg agatccctgt cgtggaggtc gacgacggcc gcgtcacggt caaggtcatc 120
tcgggccagt cgcatggagt cgactctgtg cgcgacgtgg cgtacactcc tgtctggttg 180
ttggacatga caatccggcc gggcggtcgc atctcccagc cgctgccgga gggctggaat 240
gcctttgcgt atacgctcgc cgggacgacc atcttcggct cgaatgacgc cacgcgggtc 300
gtcaaggaat tccataatgt cgtgtttgac caggcgggtg gttatgtcga ggcgtcggtc 360
ccggataacg ccgagtcaga gtcccgcttc atcctcgtgg ccggccagcc tctggatcag 420
aaagtcgtgc agtacgggcc ttttgttctc accagccagg aggaggtgta ccaggccatg 480
ctcgactacc agaccgcatc gaatggtgtt caccacgggg ctggcagata ccgcgctgct 540
acgctcgtcc gtcccggact taccgccggg cgaccccgcg cccgaaggga agagaacgta 600
ggtcgcacaa ctactacaga gactccgatg ccccgggtac acaagaaatg ggacgcccaa 660
ggcacc 666

<210> 21154
<211> 399
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (380),(382)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21154
gctcctctgt cgatgccacg ttcatcggct acggctagaa agagtcatag caatcggcat 60
gagaatggca gcgcaaatac agggaaaaaa gtggccaaac agagatccaa tggacatcta 120
aacggtaatc tcaacggcgg ctccgcgtcc acttctcttt cctcctctca agtcgatttg 180
ccgtcgtctc gctcttccag cgatccggtc gttcccacaa ccaccgcagc atcgaccaag 240
ctcaacggaa cgccggatag ctccaagggg gattgcaatg cgcctgatca cttgaacgga 300
tacgccaagg gcaatgccga catgtcgtat gtgcagaacg atggcgtcgc ctcccagacc 360
ggtggcgatg ttgcaggaan cngcttcgcg ttctactga 399

<210> 21155
<211> 537
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (85)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21155
atcaacaaga ccgtctacga aagggcaatg aatgcgtgga gtaagcccgg tggctgcaag 60
gacctgatag tcaagtgccg tgagntagcg gccgagggag atccaaccat gtccggccac 120
aacgagacgg tcaacgaggc ctgtcgaagg gcgaacgact actgcagcaa ccaggtggaa 180
ggcccctaca tactgttctc caagcgtggc tactacgata tcgcgcactt tgatccagat 240
ccatttccac caccttattt ccaaggtttc ctgaaccaga actgggtaca agccgccctg 300
ggggtgcccg tcaacttctc catctcagtg gacagcacat acagcgcctt tgcgtcgacg 360
ggcgactatc cgcgcgccga tgttcacggg tacctcgagg atcttgcata tgtcctcgac 420
tcggggatca aagtggcgct cgtctacgga gaccgggact acgcatgtcc ctggaacggc 480
ggcgaagagg ttagtttgcg cgtcttcgac cactggggct cggaaggatc cgacgct 537

<210> 21156
<211> 402
<212> DNA
<213> A.fumigatus

<400> 21156
gttggggcta tcggcaacga gattcgcaac ggactgctat ggccgctcgg caaacccgat 60
aactacgcca acatcgccaa catcctgcac tcggcggcat tcggcgtcaa ggactcgacc 120
ctatcgccca agccgaagat catgatccac ctcgacaacg gctgggactg gtcggcacag 180
aagttcttct acgaccgtgt cctgtcgtca ggcgcgaacc tggtcaagtc cgactttgac 240
ctcatcggcg tctcgtacta cccgttctac aaccccagcg ccaccctgtc ggcactcacg 300
accagcctga agaacctccg ctcgacctac ggcaaggacg tgctggtcgt tgagacagac 360
tggcccgtct cgtgcccgaa cccagcgtat gcgttccgtc tt 402

<210> 21157
<211> 711
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (664)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21157
agattgatgg aggaatacgc tcgagtcatc catttttacc gtaatggagg gaacttctac 60

cgtacctatc aaccagatgg cgttccgctg gagctggtcg catatactca gaccctgcag 120
tcgcgtctgg agctctggaa gtcggcattc gggtactcct attcgtgcca gaaagcccag 180
ggcagcccgc agacttctgc gcgcgcttct cttctgctca tccagtatta catcgcactc 240
gtgactgtat ccacatccgt ctatgctgag gaaacgctgt atgatcggtt cctcgatgcg 300
ttcaagcgga ttctttccct ggtgagaaca tccaacgcct gctgtcagag cacagtcgca 360
acttcgctcg tcggcgttcc cataaagatg ggcgtcatat acccattgta ttttgtcgca 420
accaaatgtc gagactcggc ggtccggcag gaggccatcg acttgttgtc ctcggcgccg 480
tgtccagatg tagtctggga agcgccgatc ctgacggctg tgtcaccgag ggcgaaggaa 540
atcgaagagc taggtctcga cgaaaacgag ccgattccag agttcaagaa gcttcatggc 600
ctcgggtggg ggattgatta tgaaactcgc caagtgagtg tccaattccg tagaacaacc 660
aacngaatgg accgcgagtg ggaccaattg aaagaatgtc ttacctggta a 711

<210> 21158
<211> 432
<212> DNA
<213> A.fumigatus

<400> 21158
gtgcagtacg actttgactc ttgcatcatg ggcaatacca ccagtatcgc cgctgggcgt 60
gactgtttac tatccgccgt tggagggaac catgctcatg tcgcattcca agatcagctg 120
ttgtaccagg ctaccgcggt cgagccatac aacgtgaata tcccggtcac tccggcagca 180
gtgacatatc ctcaatcggc ggatgaggta gctgcggtgg tgaaatgtgc cgctgattat 240
ggctacaagg tgcaagctcg cagtggagga cacagtttcg gcaactatgg tatgtatgcc 300
ttaaactgtt acggtggtag ttctcagcct ccgaaatcaa gtccgctaac ttgtctctgt 360
tcaaggcctc ggaggagagg acggggccat cgtggtcgac atgaagcact tcgaccaatt 420
ctccatggat ga 432

<210> 21159
<211> 243
<212> DNA
<213> A.fumigatus

<400> 21159
cttgtctctg ttcaaggcct cggaggagag gacggggcca tcgtggtcga catgaagcac 60
ttcgaccaat tctccatgga tgagtcgacc tataccgcga ccatcggacc cggaatcacg 120
ctaggcgacc tcgacaccgc gctatacaat gcgggccatc gagcaatggc gcacggtatc 180
tgtccgacca tccggacagg cggccacctg tcaattatcc gccacgaggt gaaagacccg 240
ggt 243

<210> 21160
<211> 285
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (68),(245)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21160
actacgctca gtgtatcccc gggagccacg ggacgtccca ccaccctcac gacgacgacg 60
gcggcganga cgacatccca gaccaccacc aaacctacca cgagtggtcc aatacatccg 120
caacccaccg tgaccgcatc cggtaaccct ttcagcggct accagctgta tgccaacccc 180
tactactcct ccgaggtcca tactctggcc atgccttctc tgcccagctc gctgcagccc 240
aaggntagtg ctgttgctga agtgccctca tttgtttggc tgtaa 285

<210> 21161
<211> 375
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (375)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21161
gaccaactct ctgacagtcg tagcgacgtt gccgccaagg tgcccactat gggaacctac 60
ctggccgaca ttcaggccaa gaacaaggcc ggcgccaacc ctcctatcgc tggtatcttc 120
gtggtttacg acttgccgga ccgtgactgc gccgctctgg ccagtaatgg cgagtactca 180
attgccaaca acggtgtggc caactacaag gcgtacattg acgccatccg tgctcagctg 240
gtgaagtact ctgacgttca caccatcctc gtcatcggta ggccgtacac ctccgttgcg 300
cgccgccttt ctctgacatc ttgcagaacc cgacagcttg gccaaccgtt ttcacacacg 360
ggcctggaag gatgn 375

<210> 21162
<211> 312
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (144),(285)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21162
aaaaggggga ccattcggcc ggtggaaacc ggcaggtcaa attggtggca tcttctcccc 60
actttgatcc aaacgccctg ggccccatat atcggccgga cgaagaggat tctcgtcgct 120
ccccccctgtt tggcggcctc catntacagg actctgggac gagtgatctg gaagttggac 180
gcagagcccg catccgtcat tggagtacgc tggctgacca agatcttcgt cgcgggggat 240
gtgatatctt ttctgttgca gtgcggaggt aacagacacc acctngtctt gtccgtccct 300
gacacccact aa 312

<210> 21163
<211> 459
<212> DNA
<213> A.fumigatus

<400> 21163
tacaccacag gaggcggata catggcagcg ggcacactcg aggccatgaa gaacggcgaa 60
cacattgtca ttgccggtct cgcgatccag ctactctggt tcggcttctt catcgtcgtc 120
gcctcgctgt tccactggcg cgtcgtccgc catccaaagt ataccatctc caacgacctg 180
agatcccagg gctccgggat ctcatggtcg actctcatgt gggccctcta tgccgcttgt 240
gtgctgatcc tcgttcgctc tatcttccgg gtcgtcgagt ttgtccaggg caatgccggc 300
ttcatcatga ggcatgagta tctcctctac gtgttcgacg cggtattgat ggccctgact 360
ggtatcgtgc ttggtcttgt cttcccgggc tcgtttgtct cgcggcggtc gcgatgcgcc 420
gacgatgcgg tccctctcgg tagtcaattg tctaggtga 459

<210> 21164
<211> 333
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (14),(31),(38)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21164
ctctcgcggt cttnccccctc ctgtggtaaa nagcccangg tcgctcgata catgccgcac 60
gtccgcaaag ctcgtgagga ggatctgaag gagggcaaaa tcactcggca ggagtatgat 120
gcaattgaat ccttggagag aaaccacatt aggtatggtt ccattgccga ttcagagagc 180
gatgcttatg agcggaatag caatatatcg actgcccaca gcaatattgg ttatttgttc 240
actctcgcac tgaacttgag tgttttgctt cccctacaga acaataccta ttcaaacaat 300
ctcgccctct gtttgacaaa ctcatgtaag taa 333

<210> 21165
<211> 222
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (48)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21165
cggctgctag actgggtggt tttaggagta tggtggttca tcttccanca gaaacggcca 60
ggccctcagg tcccaaaggg ttcgaactat gcaacgattg gcttcaagca aatctggctt 120
gcgctcagag aggtccggtc tttgccacag acattcctct attttatcgc ttactttctg 180
cttgccgatg ggctaaacac taccggtgag tgcagccagc ct 222

<210> 21166
<211> 516
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (11)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21166
gttacgcttg natccttcga cccgggcctg gtgaagacag ctcctcctcc ccgtcgcacc 60
taccaagatc ccgctcatcc ggaattgact caaatcatgc tggaagacga gtcaggccgc 120
ctgcgtttaa cagggagtct tttgacgtca actcaactcg cgacaggagt catcatagcg 180
gtactgggga cggaaaatgc aaatggtgat tttgaaacga tcgatattag agtgcctgac 240
ctgcctccgc agccgcgtcg gtgggagcgg aatgaaaaca gaacagagac aaaagagccg 300
cgcaaaagca agattgcttt tgtgagtggt cttgggatta cgggcacatc gagtgatact 360
cttgcgctgg aacttctggc agactatctt ctggggtata cagggtcgga tgcgtcctcg 420
atcacacggc ttatcattgc cggaaactca ctgggggcta atgtgacggc tgaagcagca 480
gctacagaca tggagatggg aacggccgcg aagaag 516

<210> 21167
<211> 384
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (14)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21167
tactgtacca ccantacaaa caaccaccaa cctccaactt cgttcaagtt atatgcggcc 60
cacattcttt caatgttgtc catgcaaaag acgcccacct tcatcctgcc cccaactgcg 120
aatctcaaca accacaaccc tcatggtatc caatccaacc caaccgcgga gcatcgcaac 180
tccacccgcg ctctgagctt gtcggaaatc cccgcctttc ccgatggtcc atccatgggc 240
gatggtctct ctcgccatga aagcatcagt accgacggca cctccaacga ttctcccgag 300
tcttgggacg gggaaagcca ctctgatagc tgtccctcgg tcgactatga gatcaaaatc 360
catgacggct cgtaccctgt ctaa 384

<210> 21168
<211> 510
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (497)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21168
actgccaacg ccagttccct cctggccacc ttaaatttgc gtccaggacc cgaagctcag 60
aagtcttacc gatattatct ttgccgtttc aattggtggc gatattcagc aacctccatc 120
tttaagcctc ttttcacata cctccctgtt caaaacagcg ccaacgtcgt aaattcagca 180
gccatgtctc gccatcaccc ggatcttgtt atgtgccgca agcagcctgg tatttccatc 240
ggccgattgt gtgacaagtg cgacggcaag tgtcccgtgt gcgattccta cgtgcgacct 300
acgacgcttg tccggatctg cgatgaatgc tcctttggca attaccagaa caagtgtatt 360
gtctgcggtg gtgaaggcat cagtgatgcc ttctattgtt tcgagtgcac gagattagag 420
aaggaccgag aacggtgtcc caaaattata aatctgggaa gttcgaggac agatttattc 480
taccagaaga aaagctntcg aaatcattga 510

<210> 21169
<211> 192
<212> DNA
<213> A.fumigatus

<400> 21169
aaggttacaa gtctcgtgaa gctattgaac aacatcctca ccatatctta ccccgcccag 60
tgtacacaga agaaccctcg ctcatatttc tcaatctctt cagggcccgt atcaattagc 120
aatatcatgg cacggctcta catatgctac catatcttca ccacgacgga caaggtccga 180
ataatgttaa ag 192

<210> 21170
<211> 480
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (429),(430)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21170
aaaaactctg cgcctcggca atcttcctcc tcgacccgca ggagcaagag caagagcaag 60
agcacggata agccagccta cgaagtggaa tacgtacctc gcacgcatca actcatcgag 120
tcccgcccaa gctcgaccct aaccccaacg tccacgtcca ccacttcaac ctcgacctcg 180
acctccctgt cacggcgtct ctctatacgt ctgacgccta gatcaaggtg ctcccgctcg 240
tactgtgaca caaccgaacg ccaacccctc gtcaagcgcc gggcccagtt cgcctacaaa 300
cccatccacc aggattatct cagcgaagtg gccaaaaaga cagctgcggc acctcgaatc 360
acttccaaca gcgtcggaga gagaccaata tctccgtctc caactccccc ttcgtcgctg 420
gaagccacnn cgtccccgtc gtggtcgcgc ttccggtata tccctgcccg accgcagtaa 480

<210> 21171
<211> 816
<212> DNA
<213> A.fumigatus

<400> 21171
ttcccaacag cttggaggaa gaccgggggc gagtctcatt cggggaatgg tgcacggact 60
gcatccttcg atagggagtc tggcactgaa aacatgtttg aagcatcaat ggacgtcctt 120
gatgtcgaag ctcagggtca tacagcatgg atgacctccg ccttgctcga gttttactgc 180
gtcagcaaag caacagacat cctcaatgcc agggaaggct ctcagatgcg gtacactcgg 240
gactctccgg aggtacagca tctggccaaa aagatgtatg cccatcaatc gcagctgcta 300
tcgacacatg gaatgttacc tggaggcatt gagagcgacg aatgtgaaga gagaagacag 360
aggtatcgcg aaaccattga tggaattggc ttgcaggccc tcaaagggct aaacttggat 420
gatatcccta agcagacgcc gtctctcgat gcaacgaaag acgtcgtttt ggcttccaaa 480
gcctcaaatc ggatgcaagt ccatgtaaaa acggattttg cacgacctgc gcaaatgagg 540
cgtcaataca gcggactgtt ggggttcaga gaacaagatg ccggaagagg cgacgcgcac 600
gcgccagagc atcagccgtt cgccctattg ggtagttcgc ctgtgagctt cccgttattc 660
aggcccaatc cgccaccacc gactccagct atatctcgtt atgcgacgga attctcagaa 720
gtgagagtcc tcggtcgcgg atcatttggc gaagtctatc atgtgaagaa tcatattcac 780
gggcagaatt acgctatcta ttggaccacg ggctga 816

<210> 21172
<211> 303
<212> DNA
<213> A.fumigatus

<400> 21172
gttgcagcct tcaacgcctt cataggcaca accgtgatcg tcgcgcagat ctccttcgct 60
gtccccgcag cattgctcat ctatcgccgt cgttcgcatg agtatctccc accatcaagg 120
ccgttcaagg tcatgcatgt ggtagggtac gtgtgtaatg tgatgacggt tgtgtgggcg 180
gtggtgatta cgattttctc tacatttccg acgacgttcc cggttactgg gggaaatatg 240
agtatgtctt cattcctccc cccccgtttt cgttatggtt tcatttgctg tgggtgtggt 300
tag 303

<210> 21173
<211> 192
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (2),(117),(120)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21173
cnggggcatg ggggctgcaa gcatggcgaa aaaaacgaca gaaggagacc tggggaaatg 60

gcgcaaaatg attggagaag aaagcccgac gaaattaaca ataccgtcaa cgttcanaan 120
aacgagactc acccaatgaa cggaaagact gccccccgca cgaaaaggcc atcgagggca 180
ataaaattgt aa 192

<210> 21174
<211> 240
<212> DNA
<213> A.fumigatus

<400> 21174
tcgagcgaac acccacacaa taccacagat gtcgtgtcaa actggcgtcg cttatacaaa 60
tatgtcgtgc ggtgtatcat caaatgcagc aggcgaccgg cggtcgaaca tcccgcagag 120
accgaaactc acccttcaga ccaaatcact accaacgaca tttggcactt caacaacggg 180
gctgtctctc tcgttagcag catgtgccac agcgtctccc actgtgcgca acacttttaa 240

<210> 21175
<211> 516
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (41),(323)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21175
aatggggctt acaaccaagg aggatacttt atggccaacc ngtatcctcc ccagtatttt 60
caggcgccta acagccagca gcagcagcaa caaccgcagc agccgcaaca gcacaatttg 120
gcgtcccttc agccgaccta tcagacacgg atggcctaca atgccaacga tgggacaaat 180
ggacttatcc agcagttttc caaccaggat ctgaactcga cgcgcacggg gttttttggc 240
cgtgctgcct ctcctgctca gagacctcgc acggctggtt tttctgcccc cggacaacag 300
caaccgggcc atctcgcccc tcntatgcct cggagtcccc gaactccggc tgagaacgaa 360
gaacttcaac ggtatcccga acgctactct gagaacgttc ataagcgtgg taaggcggcg 420
aaagagttgg tgaatgtatt tttccatgag aacattgagc gggcacgcga tcgtaacatg 480
cgtcttgcac cagcggggct ggaaagacca gcgctc 516

<210> 21176
<211> 273
<212> DNA
<213> A.fumigatus

<400> 21176
cgagtacagt gggactccaa ctccctctgg gaaagccggt acatctggct tcctatggat 60
attgatgaga acaagaagac gctcgacctt gtctggaacg acgtctatga tctcaacgtg 120
tatgtagtcc accaattgtt taaagaaata ctaacgggac cagcaaaacc ggggagtgga 180
aagccatccg cggcaagaca tacactgcca aaaaggccaa gacgaacggc gatgcgtata 240
aacaggaagc tgtatgtcct ccaccgtcgg tga 273

<210> 21177
<211> 345
<212> DNA
<213> A.fumigatus

<400> 21177
ataggcccca agtccccata ccttttttctt tctttgatat cgtctttcaa attctcactc 60
cctttccaac ctgcgacact cctcatctta gaaatggccg aggacaaggc tccccgaccc 120

accatggatc cgaagctgga gaagcacgcc catgatgcgg atgaggcgat gaaggccttt 180
gagggtatgg agggcgagtc tattaccctc gatgaagaaa cgaacaaaag acttttaaag 240
attattgact ggcatatgat gccgatcatg tgcgttgtgt atgggatgaa ctatttagat 300
agtataggcc aacggattat tcgcgaacat tctaacaaga actga 345

<210> 21178
<211> 300
<212> DNA
<213> A.fumigatus

<400> 21178
actgcggtct ggatgaatta tcaatccatc acaatggcgg ctagtgcccc cgacaatggc 60
caccgctccc acccctctca gcaagccggc tcaactatac cgaggagttc tgaaggccat 120
gaggaacgga gccctggcta ccgtgacgaa gacttcggcg cggaactaga aatggagaga 180
tcgtctcgga catcccccca gagtttcact ccccgttctc tctttgttgg actcgtcatt 240
ggcgccttga tcactttctc caacacctac ttcggtttgc agaccggctg gatcagcaca 300

<210> 21179
<211> 303
<212> DNA
<213> A.fumigatus

<400> 21179
gaaccagacc ctctccgggc tgtccagatt ggcctcgata tggatattgt cacatcgtca 60
catccaggtg atgtcatggc ggcggcgggg attgagcatc gtacgtttaa tgctctccct 120
caggacatgc tgcgtgctgt tccaggcgtg acgccaaagg tgctcgagcg actcatcctc 180
gagacgggaa atatcagcga gattgcgaat atggatgttg agcagcttga tcctctgatt 240
ggaagggagg cagcgcggaa gatcgttggc ttctttcgta aaaatttgtt tgatagtagt 300
tga 303

<210> 21180
<211> 588
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (9),(588)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21180
tccctgccnt ccaaaaacat gcggacaaaa cttgtcgacg ccctgaacct ctggttccaa 60
ctgccccatc acctagtgga caccgtcaag ggcaccgtgg acgacctcca taactcgacc 120
ctcattctag acgacatcca ggactcatct tatctgcgac gagggtttgc cgctacacac 180
catgtcttcg gctccgccca atgcatcaac agtgcgacct atcttttagt gcaagcggct 240
tcccggttga gtgttcataa cgagcaatat cccgccgtga tcaccgtctt tctggacggc 300
ctgaaagagc tctcactagg ccagagctgg gatctcaact ggaggtccac cggatactgc 360
ccgtccaccg aggaatacat ggcgatggtt gatggcaaaa ccggagtgat gttcgatatg 420
atcgttcgaa tgatgcactg cttctcatca tcccagactg tcccggtgtc agagttgagc 480
cagcttacgc aactgctcgg ccggtggtat caagtgagag acgactatca aaacctgcac 540
gacgaacagc cttcaccaca gagacgaagg accgcgcaga gcccatgn 588

<210> 21181
<211> 465
<212> DNA
<213> A.fumigatus

<400> 21181
gtgggtggag gtgtgctttc ggactgtttt aaaccagaag agcgtggaaa aagtgttgca 60
atatacagtc ttgctccgat tctgggtcca gctgtcggtc ctatagtcgg tggcttcatt 120
tctcaagaca ccacctggcg atgggttttt tatgccacct ccattgctga cggagctatc 180
caaatcggcg ggctattctt catccgtgaa acatatgcac ccaagatcct gaaacggaga 240
gcagagcgga tccgaaaaga gacaggtgat tcggcgtacc agactgaaac cgagcgacag 300
aacaaaaccc tttcacaaac aatgcagacg gcgctggtga ggccgttccg catcttgtcc 360
actcagccca tcgttcaagt cttggccatg tacatggctt ttatttatgg ggccctgtac 420
gtccccctt tgacaattcg cccgagagcg ccaaaatacg cgtag 465

<210> 21182
<211> 351
<212> DNA
<213> A.fumigatus

<400> 21182
tactacgcgc cgggcggaca gctcgtacac cctcgcggag ttgtatcgaa cgagaccgag 60
cgtgcaaagg caaacagcaa agtcacggaa gagctgaccc atgctctagt gcacaagggg 120
ttcatggttg actttgcacc tcctagcggg gacgaggacg ctgccgggga tggaaagttt 180
ttccgctgcg ttgtcaatgt ccagacaact cgcgagactg ttgaagctct tgttcgtgct 240
attgaggagg cgggcccggc catcatcgaa agacttaagg ccgaggctgc ttcggttccc 300
aaacgtaggc cgggagaacg aggccacgga cctgttgttc accaggggta g 351

<210> 21183
<211> 246
<212> DNA
<213> A.fumigatus

<400> 21183
gcgggatcct tttggattga ttttctcttc atttacctgt gtacaatctg tttgactgcc 60
cagttccggc tgtttgctgc tgcatcaccg aactttgaag tcgcattgcg ctacagcggg 120
gtctctgtat tgttttgcat cgtctttggc ggttatgtgc tctctgtgga caagatgatg 180
aattacgttc cttgggtagg gtggatagcg gtaagcacca tccggaataa cctttcaggg 240
cgataa 246

<210> 21184
<211> 225
<212> DNA
<213> A.fumigatus

<400> 21184
tatactacgc cggcgctata tacatacgaa gcaatgatgg cggcagagtt tcatgacacc 60
aaattctcat gtgcgcctgg cgcagttata ccttcagggt acacttacaa taatattgct 120
tatcaaactt gtggtatttc tggaagtcag ccagggacaa ctatggttga tggagatcat 180
tatttggccg tgcattgtcc accgccggga tggaaggtaa agcgt 225

<210> 21185
<211> 426
<212> DNA
<213> A.fumigatus

<400> 21185
cttagggcct tcgacccgcc gtggaagaac actaatgcgc cgcgggcgac caatgggacc 60
gcagagtatg attatatcgt tgtcggctca ggacccggag gaggccctct cgcagccagg 120
ctagcaattg ccgggttcaa ggtgttgttg ctcgatgccg gagatgatca aggagatgcc 180

ctccaacaac aagttcccgc tcttcaactg caatcaaccg agtatgagcc aatgatatgg 240
gactattttg tgaatcacta ctcggatctt gagcgccaga aacaagactc caagatgacc 300
tacaggactc ctgccgggga gttgtacgtg ggtcagaatc caccagcgaa ctcggaaccc 360
ctgggcatat tgtatccccg tgcaggcaca ttgggtggtt gctcggcaca caacgccttg 420
atgtga 426

<210> 21186
<211> 516
<212> DNA
<213> A.fumigatus

<400> 21186
aactcatgcg cgtatccggc gtctcctgtg gtagaagacg agatcccggc tggcggaacg 60
aaatcatccc cttcggacac tggaaccgaa ttggtatcgt ccttcaaggc ggctccgtca 120
ccaggctcta atatcataat tgatggagat ctgatcatcg acatgggatc gccccctcca 180
tctcgtcccg cttacagggt taatccagca cacttctcgt ccaacaatac cccaggaaac 240
gaggaagatg acgatgagga ggaggaggag gaggaagaag aagaagaaat ggaagctctc 300
cggctaccat ctcctgtcgg tcacggtggt gcttcgtctg agagggtgga aacagcaccc 360
ccaacacagg aggaaattga agatgatgac gatgcactag cggctgaaat ggaggctgct 420
tttgaggaag aagcgaggaa gcaggagtac cagccaccct ctctgcagta ccacgttccc 480
agtgaagatg agagtgaggt tagcgaggag gaatga 516

<210> 21187
<211> 522
<212> DNA
<213> A.fumigatus

<400> 21187
tactcttatc cttcgacgcg gcggttaaga cagcatgggg cacccgagct gcgacagccc 60
cgaatgccat tatcgccttc cacgatgtcc accacctccg tcctcgatgg cttctccctc 120
ctgcccatga ctcctccaga tctggtggat ggagtgccct ccatgcacca ggataccgct 180
gcggtaacaa cagccattca tgtcatatcc acagagcgtg cggccctcgc caacctggag 240
cagatctacc agaccgaccg gctagcgcag gagaaccttg cgcgggccgt aagtcggatc 300
gtccgcaccg tccgaaatgg cgggaaactg gtcgtctgcg gcgtgggcaa gagtggcaag 360
atcggacaga aactggaggc gacgatgaac agcatgggta tctacagcgc atttttgcat 420
ccgacggaag cattgcatgg cgatttgggg atgattcggc cggtacggat attcgcggct 480
ttcttgcaaa gcttagttgg ggaaagtggt atagtctact aa 522

<210> 21188
<211> 210
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (73)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21188
cttaatggtc tgagatactt cgtgccagta atgctccata aatgccccac tttggcattc 60
ctggggcagg ganaactcct ggagctcaat tcgcaatact ctacgtccac caccgagcca 120
cgagtccaat catcgcatct gggtctggtc cataaaccaa gtatgatctc gtatgtgctc 180
actatgaatt gcaatggagc tcacggataa 210

<210> 21189
<211> 432

<212> DNA
<213> A.fumigatus

<400> 21189
cacataacct tgtcgaaaat ggggtcatgt ttcagcacag agtcaccaga ggatgcggaa 60
caaaagaaac gaagtcaggc cattgatcgc cggttagagg aggattccag gcgactacgg 120
agagaatgca agatacttct gctgggtcag ttctggattt ctctgagtat aataatggtg 180
attgtgccgt gggctaacgg gagctttcct ttgatttgcg acagggtccg gagagagcgg 240
gaaatctaca attgtcaagc aaatgaaaat cattcatcaa aacggctaca cagtggagga 300
acttgcgtta tatcgtttaa cgatctacaa aaatctccta gattgcgcca aagctctcat 360
tggagcttac caccaattca acctccaacc aacgagtccc aaagtccgcg aattcatcga 420
gtgcctttct ga 432

<210> 21190
<211> 330
<212> DNA
<213> A.fumigatus

<400> 21190
tttgcgacag ggtccggaga gagcgggaaa tctacaattg tcaagcaaat gaaaatcatt 60
catcaaaacg gctacacagt ggaggaactt gcgttatatc gtttaacgat ctacaaaaat 120
ctcctagatt gcgccaaagc tctcattgga gcttaccacc aattcaacct ccaaccaacg 180
agtcccaaag tccgcgaatt catcgagtgc ctttctgaat acaatattga cccggatcca 240
aacacgcctc tagatcctcc aattggaaat gcggtcacct atctctggaa tgatccatgc 300
acgtccactg gcgttagaac aacagaatga 330

<210> 21191
<211> 492
<212> DNA
<213> A.fumigatus

<400> 21191
agagtgcctg cgacgatttc caagtcagcg aactcgagaa agaagagaac agggaaagtg 60
caaaccgagg tctccaagac gacggccaag aagccccaga gctcaagatc caaaagtcag 120
gcgaagggta aggaggccaa gcccaaaagt agcgtcagac ttcccaaggt caagacggcc 180
aaaacgaaag tcaaggcggc aattcttccc aagaagaagt catctaaaat aacagggaag 240
tcgccatcga agccgaaggt ttctcctgcg tcttcctcga cgttgagccg tccatctgcg 300
aaagcaaagg agaagatact cagggtagcc aaaggtgcga atgcccggaa acagacgacg 360
aaggggaaga cagctggtac gaaatcgcct tgcaagaacc ccacaagcaa cagcatcaaa 420
aagcgccctg gggctgcgtc atcgactaaa cggacaaagg gcgcaagcgt ggagatggtc 480
cattccactt aa 492

<210> 21192
<211> 195
<212> DNA
<213> A.fumigatus

<400> 21192
acgaccggca atgctatcgc gcttgaaggg actgacggtc atcggtgtgg agggcccact 60
gccggcagta gcggcggtta cgccaccaac accacttcca atacccgaga aaacgcggcc 120
caattcactc ttgatgccag cttcgccggc cgggccaagg atctgagcct gcgctccttg 180
gacggcttgg ggtaa 195

<210> 21193
<211> 558
<212> DNA

<213> A.fumigatus

<400> 21193
gaagcgcttg tccttccagc cccggtggct gaagaattga caactgccgt ttcgacaaca 60
gcggctggta acggtagctt gacttctggc tgtctctacc agccgggagc tacctcggtg 120
tcgcaagtca actcgtcgtg ggctcaatcg agcagcatac ccatcataaa cagctcagac 180
gaaaccaagg ctctaagggc aatatgcgat ctggtcgtca actccagaga ctgcggcttg 240
tcaccggtgc tcagtaacac tttgttcaac aagactgccg attcagacgc cgaaccatac 300
caaaacatct ccacttctgc ctcgtggtcc tgggctattg gtgaaccccg agacccctca 360
cctcctggca tcgacgagga ctcgcagcac atcgagcgat gtgcagtaat ggacctctca 420
ctgggggggcc attggcgctc cactaactgc agccaagagc gccacgccgc ctgtcgtgtg 480
ggaaaccatc ccttcacctg gtccctgtca tcgggagcgt atacgtactc agacgcgttc 540
gaccatgctt gcccggag 558

<210> 21194
<211> 540
<212> DNA
<213> A.fumigatus

<400> 21194
gggctgacga acctgatctc ggtctgcggg ctgacgggag ttgagtcgcc tatcccacct 60
tttggcggct caggcgattt tgacatcagc ccgtcagcaa ttgtgtttgt tgcaaaggat 120
cccaacctca atcctgcgac acacacgtcc tgttcgtgct actactgtcc gatgttctcg 180
tggaccggtg taggcgcact ggaagccaag gtatgcacag tcaagggtct tgagggtgct 240
atgtcatctc ctgttctctc gtccgatggc agctcgattg ctctgctcgg gatgcgtgaa 300
gatggctatg agtcggacaa aaacagaatc ctctacgttc caaatccttg gaatggtgag 360
atgattgaga ttttcgcctc tgctgatggc aagggacagt gggatctcag cccgtcggga 420
ttgacgtttg ccaaggatga tcagtcatta ttcgttcagg tcgaggagca gggtcgtggc 480
gtgttgtatc agcttcctct cgacaagtcc gtcttcacca cggggctgga aataacgcgt 540

<210> 21195
<211> 240
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (83)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21195
tcggcaaaca aaccatacgt agagccttgt acaacccaag tacggagtag gtccatctac 60
gacccgtggt tctggtctgt canacctcaa caaactgtta ttaaagcagt gatggattat 120
cgttcctggg catatcatac tatttcgttt ttgggaacta ggcttgaggc catatcagca 180
gttccctaca agccacttca caaatttttat aaaatatata gcgtgcgagc catggtcgtt 240

<210> 21196
<211> 258
<212> DNA
<213> A.fumigatus

<400> 21196
atgtttagat ggcgcgctac ggatggcccg agcttcttca gcaacaagta ccgacagata 60
gagggaaaga agttcctggg agtgcgtgtg ccaaagggtg gaaaatcgcg tgtcgataac 120
aggtatcaga agaacaggcc gggtttcttt cttccggggg cggcagctgc ccttttaac 180
cctgcgcccg ccttccactc tcgcgctaaa aatgtggaat gccttaggtt ttgctctttc 240

tctcactctt ttttgtga 258

<210> 21197
<211> 297
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (33)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21197
tccccccata tactgcccgt tggctgcgtt aanaaatcta cacaagctgc ccttgtccaa 60
ggagcagcac tgcgtggttt ggagggtctc caatcaacaa cgaagcgatg ccgtcgacac 120
tacggcttca gttggaatat ccccttccgt gatggaatcg acagtgaact tgatgccatt 180
tatgatgaat atgatgacat gaaaagggtg tctggcatca tggagtggat gattgctaag 240
gtgggcgctc ctgaaccgga cctgttggat ctcagtctgt ggaacatgct gatatag 297

<210> 21198
<211> 528
<212> DNA
<213> A.fumigatus

<400> 21198
gcaccaaatg gcggctatgt gcaagttcaa cctccattga ttacatcatc cgactgcgaa 60
ggagctgggg agacatttac agtgctaccg cgtgaaacaa ttatggatcc caagtcggag 120
gggaaccatt tcttccgggc gcccaagtac ctgacggtct cgtcgcagct ccatctcgag 180
gcctacgcag ctgagctggg aaacgtctgg gctatctcac cgacctttcg cgcggagaag 240
agcgacacgc cacgccatct cagtgagttc tacatgctcg aggcggagat gaacttcatg 300
gacgatctcg actccctgac ggatgcagtg gaatatgtag tccgcgatct tactcgccgg 360
ttgtaccagt cgccggtcgg ccaagagatc ctgactgcca agcggtcagg cgagagcggc 420
caggacgatg ccgggaatgg ggcagtgcca aaccttcgac agcgatgggt tgatctcatg 480
gaagggcctc gctggcgacg aatcacctat acgcaggcga tggagttg 528

<210> 21199
<211> 192
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (26),(104),(135)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21199
agggaagtag gggacgtgtt cagtancgtc tcgagtttgc tgggaggctt gaccaaagat 60
aagaaaggta aaccaaacac cgtctcaagg gagaagacgt caanggccgc cttaaacttc 120
gctgaggcat cacantggtt tttggaattc cgccgcatga aggggagcct aacaaagggt 180
atcagcattt aa 192

<210> 21200
<211> 204
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (54),(85),(163)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21200
atgctgatac cctttgttag gctccccttc atgcggcgga attccaaaaa ccantgtgat 60
gcctcagcga agtttaaggc ggccnttgac gtcttctccc ttgagacggt gtttggttta 120
cctttcttat ctttggtcaa gcctcccagc aaactcgaga cgntactgaa cacgtccccc 180
acttccctct ataactccct ttaa 204

<210> 21201
<211> 519
<212> DNA
<213> A.fumigatus

<400> 21201
acacccatgc gcggatcctt cggcccctgt ggcgtgaaga atagccttct gccacgattt 60
tggagcgcat acgatgcttt gtcgctaacc tcagaatcgc ccaccctcct cctgaaagca 120
ctcccgcttg ctcagcatct tcaccgggct attctgcgta cggggacatc tctactatcg 180
aagcaccaaa ttcggcacct gcgagcattt cgcattgctg ttgttaagga tggcccagat 240
gtcaagcttt ttacaaaccc tggagctctg acgaaactgg ctctctggat agctgaggcg 300
atccgagtcc aatatcggga gcgaggcgac agcgtaaaga tcggaaagaa gcgagcggca 360
gggactccct tggtgctggc cggccttgac gaagaccgag gcctgtatgt cgttgtcggc 420
acgggtggcg gcggaggtgt gatcgattac gcggcgatgc acaagcgtca agaagaacgc 480
cggaagaaaa atgaatctaa tgataataat caaatatag 519

<210> 21202
<211> 222
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (57),(69),(161)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21202
cttgacatgc gcggcaacaa gcaccttctg cggaaacgct tcggtatcgc cttccangaa 60
gtggtgcang agaacaacac tcgagtgcgt atcgacagtt ttgagcattg tgtcctaaaa 120
attcaaaaag gagaactggg tggcttcctc gaagctctca ncttccgcac cgttctccgg 180
ttaaagtccg agtctccctg ccgtctgcct tgctcaaaat aa 222

<210> 21203
<211> 309
<212> DNA
<213> A.fumigatus

<400> 21203
ctgaccgcta catgcagcgt gatcatagcg acaattatcg agatcgcctt ctcccgcgac 60
gtacgccatt ccaccgatcc tacatacgat tactgcccca ttacgattgc gtcgcaggtt 120
gtacaatgtg cgagtatcgt tactgcgtgc tggggccaac tgaagccttt cctcaatcag 180
ctcaagtcca atggtctgcg cattcaaggg gtgcaatatc aatattcgac tgggaagggg 240
caatcgtcgc ggtcgtacgg acgatccggg acaaaccagt cttcaccaag ggggacgaag 300
atccgcgga 309

<210> 21204
<211> 543
<212> DNA
<213> A.fumigatus

<400> 21204
aacaggttct atctggttgt cagtggtgac tcctgctacg acattgcagc tgctcaggga 60
atatctctcg acaactttta cacctggaat cccgcagttg ggagctcctg cggcggcctg 120
tggcctgact attatgtctg cgttggtgtg atatcagatg gcacgacgac gacgaccacc 180
accaccactc ctagtactac ttctacaact actaccactg caggaaacgg ggttatcacc 240
cctacaccaa tccagacagg catggtgact aattgcaaca agttctacca ggttgttagt 300
ggagatggct gttatgacat tgccgccgca gcggggatcg cgctgaatga cttctacacc 360
tggaaccccg cagtgggcaa cacttgtgct ggtctttggc ctgattacta cgtctgtgtg 420
ggcatcatcg gcagttcagg caccactact acgaagacta ctagtacaac gacctctggc 480
aatggggttg ccactcccac accaagtttt ctccacggga gccaacgtcc gcgcaaggag 540
gga 543

<210> 21205
<211> 198
<212> DNA
<213> A.fumigatus

<400> 21205
tgtccttcac cattatccgc tgccgccgcc actcacatca ttcatcaaac cgagtccgaa 60
gccggatccc tgcggcagag tggctcgact ccaaagcaac ccaaatctac tctcatacag 120
ctcctcttct ctggggactc gaacgagatc caagaacagg gtgtcgtgcc tatcctcgga 180
taccctgcct atgtatga 198

<210> 21206
<211> 753
<212> DNA
<213> A.fumigatus

<400> 21206
tgcctgacag ccggacgcgc agataacaag gtccagaagt tggtggatgc cgatggctcg 60
gagctgccac tattcatcca ttttgaacat atacccagta gtttcgtcca gctttcactt 120
cttatctcgg ctcagtcggt gccagtccac cttcgtccct ttctgtccgt gtatacagag 180
gcgttcttca acttacctgt ccaaagggat gggaagacga tcaatttcga acaagtcgtg 240
gttgaattgg aaagggatac tgttggctat tcgatggagg gtgcaaggag cctgggcaac 300
tcggagatgt tgcgcatctc tttccaggtc gaaattgaga agtatagcaa tgcaatcgcc 360
tggctcaagg agctctcctg gaactcggtc tttgacgtgg agagactgcg cgcgatcacc 420
agtcggctgc ttgctgacgt gcccgatgcc aagcgtagtg gtgatgacat gctggcagct 480
gtgcatgtca tggttcacta cgcgcctgaa tccattgtgc gggcacggag tacattagtc 540
aaggcgcgat atctcaagcg gatcaagcga caattggccg agcaacccaa gaccgttgtt 600
gctcgcatgg aagagatcag acaagctctt ttcaggtttg agaacatgcg agttctggtc 660
atcgcagaca ttgataagct gcccaatcca gtttcatcct ggaagcccta tgctgagcga 720
gtcttaacca ggcggtggcc gatcagcgtc aat 753

<210> 21207
<211> 969
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (706),(709),(735),(737),(745)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21207
agagtctcgg tcaaaatccg tatcctggag accccagaga agacagaaag ccttgtcaag 60
agactcgttg ccacaggtat cacaggcttg actgttcatt gccgcacgac gccgatgcgg 120
cctcgcgaac gcgccatccg cgaccagttg gcgatgattg cgcgaatctg tcgcgaggct 180
ggtgttgcat gcgtcatgaa tggcgacgtc acctctcggg acgaagcgct tgcgcttatg 240
aaggaatttg gagtggacgg agctatgata gcgacagcgg ctgaggcaaa cccgtcatgc 300
ttccgctccg aagcagaggg tggtctactc ccctggaggg aggtggtcca cgactatctt 360
caagccgcta ttgagtgcga gaaccgcttc ggcaacacca aatttcttct gaacatcctc 420
atccccggga agaacaggga gttcaaagat gccaagacag caaagtctta ctccgactac 480
tgccacttcc tcaaattcga tgacctactt ccaggggccg cccaattgga caaaatcctc 540
attctcacgg acaattccgt ttataaaaac aacaaaccgg aggatccggc tcgcaatatc 600
gcgttcaaaa ccccccccaa aattaccaaa acggtccttg cggcaaccgg gccgccaagg 660
cccaaaccag ctccccaacc cggaacggga gaaggtccct tcccancanc tccatcccca 720
accccggcaa gttcnanccc gaganaactt cctatcgaac ttcctggttc cagctcccaa 780
aggttgcttc caaaaccaga acttggccgc ttgaatttta cattctcttc ccccccctaat 840
cccgttccgg gagatttcaa ttttattccc ctttctccta tttttccgaa tctactgggc 900
ttacccgagt tccaaatccg cctgttttgg ttgtttgttt ggaagaaacc tccccggggt 960
tcccttgtc 969

<210> 21208
<211> 741
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (34),(38),(40),(97),(171),(172),(173)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21208
tttatcttag tcttttctta cttgttgttt cccntgtntn ttctatttct gtgtatgttc 60
ttttttttat ccttttttctt tctttttttc tctgcanttc ttctttcttt ttcttcgttt 120
cattgggtgc gttgtgtttc cttttattcc cgcactggag gagctgcctc nnnccaggct 180
ggcgctccct caccgattgc ggtcgtcgga atggggatgc gcctgcccgg agcggtacgc 240
actgcggatg atttctggga cgctctcatc agccagaagg attgctcctc cgaagtcccc 300
caaactcggt ataatattga cgcattctac cacccggata agcctcagtc cgtgagaacg 360
aggcgcggat atttccttga ggacgactac ttgcagaagg ccgacacgaa cttccttcaa 420
tggattccgg gatttagtac gagcgaacta gatcctcagc agaggttatt gctcgaagtc 480
atctgggagt gtatggagaa tgcgggacaa accggctggc gcggcaagga cattggatgc 540
tacgtcggtg tattcgggga ggactggcac caattgactg cgaaggaatc acagatgatc 600
cctcgtacac acccttcgc caatggatgg tttgcactat ccaaccgggt gtcatttgag 660
ttcgacctga aaggaccaaa gttaatgggg tcgagtcacc ccccgtggaa gataagcctc 720
ttgggccagt acctccgcta a 741

<210> 21209
<211> 561
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (174)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21209
ctattcccat accacgacac cggcaacgtg actttggacg ctttcaacgt ctcccaacgg 60
gtagggacag acctgcaatt ccgctgtatc gatcaggcaa ctgtctttgc tggtgttacc 120
tctggggtgt tccaaccttc atacttttat cagatacaga ggacaaccgg tggntacgac 180
cctaacaacc tcggcggccc tcccgcaacg ccagagttcc cgaacggtga cccagagctg 240
ccctatttcc gtctccatgg cgcagacctt ccctgggtct ttggaacgct aaccaccctg 300
cgcgaacccc tcgacctctt ttccatgcag ctcgtgtctg catactttgc ggagtttgtt 360
aggtctggtc agccgaatcc cgcgccggag tacctccagg cgcgcgggta taagcagacg 420
ctggacgccg tcaacaattt cgatcgatgg gagccggtgt ctcactccga gggcccattg 480
cagctcctcg attatcctag tgtgaaagat cctttgccag gtcttctacc acgggggccg 540
gcggacccgc gctatgcagt a 561

<210> 21210
<211> 180
<212> DNA
<213> A.fumigatus

<400> 21210
tccaaacgaa gatctgttcc cttgttccat gaatctgcca ctttcccacc cttcatgacc 60
tatccggtcc ccaatcttca aattaacatt tgggttctgt tcttccaacc gggacaaccc 120
agcccagaaa tgctctgggt tgaattcttg aagggatttg ggatgaacct gattattttg 180

<210> 21211
<211> 285
<212> DNA
<213> A.fumigatus

<400> 21211
cattcactcc ttattcccat cgtctacatc ttctcatcat caaatcctct ccctctcctc 60
aagttcaata acatctgcac aatgaaactc accaccgtct caatcctcgc ggctgtcagc 120
tcagcgctcg ccgtccccac caacatcaag cgcgacagct atatccaaat tagcgacttc 180
tgggccagag ctggtcccac atcccccggg gcatccatgc actttgtcgt tactgatcca 240
aactacccgg aggacacgcc caccgattgc aacctgatct ggtag 285

<210> 21212
<211> 291
<212> DNA
<213> A.fumigatus

<400> 21212
ccaacgcttc tcttgttgtc taggacctat ggccacgctc ctaaggaagg tgcacgctgc 60
aacaatggcg aatactacat caaattcccc aatggcgctc ccgacttcaa cttgttcaca 120
ctggagcttc agagggtcag tgggccaatc gctgaggatg gtcatgtctt gctgagttcg 180
aacgcgaatg gcggtgcacc tggaaccaag tggatttgtg tcaatgaccc gaagccaggg 240
gttgagatta gctgttctta tgatggggtt cttcagatgc aagttgccta a 291

<210> 21213
<211> 546
<212> DNA
<213> A.fumigatus

<400> 21213
tcacccctta gcgcggcatt ttcgcccccc gtgggtgaaa acaggggaa agaatcattt 60
gcgagttgtc tcttgaataa ttcacacatg agcttgtcgg atctagacag acatgtcatc 120
cgcacataca gagatgcctg ccgccgtctt gataccgggg agagtcagac gcgggaaaac 180
cacatgcaag ctgtgagaga atacgagcaa tcgctccaaa ccaacggacc agtgaatctt 240

tattttgatc tggccaccag gaccaagatg ggtgaagaac tcgataatct ccatgatatg 300
tggagctatg tccgctatga aaagtacctc cctgccacgg tcaacgagga tgcagaacac 360
catccctcgt ctaaagtctc ggacccctgg cacaaggcct tctggaagcc actctacgga 420
cgcctcgaag ccgaggcagg cgcgtgggct caagtcctgt ccggcaaaaa ccacctctac 480
gactgcccga cttacctcct ggcggccccg ctgtgcgaac accaaacccg ggactgggga 540
gagacc 546

<210> 21214
<211> 456
<212> DNA
<213> A.fumigatus

<400> 21214
tcaagctttg ggtggcagtc ggacggattg aggggccaca tatatgcaga taaaacgaac 60
agtactatcg tcatatcctt gaaaggaact agcccggccc tgttcgatgg tgctggcaca 120
accacaaacg ataagatcaa cgataatctg ttcttcagct gttgctgtgg gcagggaggc 180
tcgtacctct ggcgacaggt ctgcgactgc cagcaatctg cttttacagc aaatttgact 240
tgcatcgttg aggccatgaa cgacgaaaat agatattaca gggctgccat cgacctttac 300
tcgaatgtga cagacatgta tccagacgca aatgtctggt tgacaggcca ttctctgggt 360
ggtgcgatgt ccagtctcct tggtcttaca tttggactac ctgtcgtgac attcgaggct 420
gtccccgagg ctctgcctgc ggctcgcttg gtctga 456

<210> 21215
<211> 519
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (453)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21215
gaccaagcga tgaaggatgc gggcccgctt aaacctccgg tcgtcgatga acgcaagccg 60
ctgacgcagg acgaaatcgc cctgcaggcg ctcattcgcg agagtaaagg cgagacggaa 120
ggtcggacgg acttggtcat tgaaagtgcg aagcgggaag ttgacgaggg ctatcctgtg 180
cggctcgacg agacgggctc gttccgagtt gatgtggctt cgcggcctga gccagcgacc 240
ctggatcaat acaacgctat accagtggaa gagtttggtg ctgcactatt gcgtggaatg 300
ggctggaagg agggccagtc gatcgggcga gggaagtacg gcacttctgc tacggattac 360
acgtctcaga caccccggat acccgagcgt cgaccggggt ttttgggtat tggagcgaag 420
gacgtttcgg gtggcaacgg cgcaaaagct gancttggtg cgtggggtag ggctgcaatg 480
cgcaaagggg ctagaaaagc aaagaaccca ggaggttga 519

<210> 21216
<211> 216
<212> DNA
<213> A.fumigatus

<400> 21216
ccaactccgt gtcccactcc cgccgactac ggcaattatg gagactacgg caagtacggc 60
aagtatgggg actacggaca gtacaaagtg aagagagacg acgagccttg cacgactacc 120
accgagaccc cgactccctc tcccactccc gccgactatg gtgactatgg caactatggc 180
aactatggca attacggcac ctacgagaac tactag 216

<210> 21217
<211> 579

<212> DNA
<213> A.fumigatus

<400> 21217
ttcgaagcgc gggtccgtcc agccccgtgg gctgaagacg atgcggctgt gattgcttgc 60
cgcggtggca tgtacactat cctcgcaact gcccacgatt acgaactcgg aggagcatcc 120
ttggatcaga ttgtcatcga tcactttgcc aaggagttca tcaagaagca caagaccgac 180
cctcgcgaga acgctcgcgg cctcgctaaa ttgaagctgg aaggcgaggc tacaagacgg 240
gccttgagtc tgggtaccaa tgctagcttg agcattgaga gtcttgcgga cggtattgat 300
ttcagctcaa ctatcaaccg gacccgttac gagctgctct ctggcaaggt ctttgctcag 360
ttcactcgcc tgatcgagca ggttgtccag aaggcggagt tggatgttct ggatatcgac 420
gaggtcatct tctctggtgg tacctctcac acacccaaga ttgctcagct ggcccgcaac 480
atgttctccg agaagaccaa gatcctcgcc ccctcgacct ctgccagcgc tattaacccg 540
tccgagttgg ctcctcgtgg tgctgccatc caggcatct 579

<210> 21218
<211> 549
<212> DNA
<213> A.fumigatus

<400> 21218
ctgcgttatg ggaactggtt caagactgtg cacaagttca agcccaggga gattgttgct 60
gtggacttta tgaattcatc cacggtcatc ttctttctgc tgggtctatg gagcatcggc 120
gctgtgccag cattcatcaa ctacaatctg accggaaaac ccttgacaca ttcagtccgc 180
acgtcgactg ctaggctctt gatagtcgat gacgaagtgc gcgactgttt cccgccggag 240
cagttggaga tcttcgcttc cagcgacttc cgcgaggaca agggtgctgt ggaggtggtt 300
ttcttcacgc ccgatgtgga agctcaggtc atgcagaccg agcctgtgcg tgaggacgac 360
aaagcgcgca gcggcccagt cttgcgtgat atggccatgt tgatttacac cagcggtact 420
accggacttc ccaaacccgc cattgtcagc tggaggaaat gctggacggg cagcactttt 480
gtgtccaatt ggttgggttt aaagccagcc gaccgttttt cacctggtca cgccggaatg 540
aaggaatgg 549

<210> 21219
<211> 471
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (181),(412)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21219
cacggtcgca ggctccactc cgcaattcgg tatggcatca cccaagcgct ctttgcagcc 60
accgcactgg ctcagcgccg taccatcgcc gaggtgatat gtcacgagtg gagtctcggc 120
tcaatcgcag atcgtcctgt agacattctc gcctcctgcc atcgcaacga cgcgctccag 180
ntggaccgaa tgatcatgaa gaaggccccg atgctccccc acgcttcgtt tgtgcatgcc 240
tccgatatag gtccccacgg tatggtgctg atggactacg tggacaccgt cgctcgtcgc 300
attcggcaac gagctccccc aggctatcac ccccgtcttc atttcgacgt ctacggtacg 360
ctaggagacg tcttcccgga gacgacgagg ctggctgatt ttctcggccg gntacgtcag 420
cgcgcacgac catacgccct cctcatcgaa tctccgatca ttgcgccatg a 471

<210> 21220
<211> 252
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (242),(245)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21220
aagccggcgc agatccagcg attagcggct ctccgcgctt gtctaaagcg gaagagcatc 60
gatgtcagga tcgtcgccga cgaatggtgc aatacgctgc cggacattcg ggatttcgcg 120
gacgcagacg cggtcgacta cgtgcagatc aaaatgcccg atctgggcgg ggtcgatcag 180
agtattgatg ccgtgctcta ttggtcttca ccacggaggc tggcaggatc cgcgcacacg 240
tntanccccc aa 252

<210> 21221
<211> 450
<212> DNA
<213> A.fumigatus

<400> 21221
ctgattgcat ctctctacag gcattgcttt cggcgagcag ccagtcgcct cttgtctttg 60
ccggtcaccg cgccgacatg gtctgccagg gcccttgcac ctcgcgtccc actacccgta 120
ttatcccctc tgcaatctca attagcttta catacgagat ggttcagcga caacaccgcc 180
agccaggagc cgacgagctc accagagcat gagcatcatg gccattccga gacggttttg 240
gcggagcccg atactcgcga tgcgcggcca cagaaaccca agatgcggct ccgggtcctg 300
gaagagaatc tccggccaag acagactgtc tacgttggta atctgttcta cgatgtgacg 360
gcggaagatt tgaagaacca catgcagcag tttggcgttg tggagagagt tgatctcatt 420
actgataacc gaggattgag cagaaggtga 450

<210> 21222
<211> 252
<212> DNA
<213> A.fumigatus

<400> 21222
ggatgctgtg ataaactttt ctctaccagg gccaccgtga ctgattgcat ctctctacag 60
gcattgcttt cggcgagcag ccagtcgcct cttgtctttg ccggtcaccg cgccgacatg 120
gtctgccagg gcccttgcac ctcgcgtccc actacccgta ttatcccctc tgcaatctca 180
attagcttta catacgagat ggttcagcga caacaccgcc agccaggagc cgacgagctc 240
accagagcat ga 252

<210> 21223
<211> 411
<212> DNA
<213> A.fumigatus

<400> 21223
ggtcatctca cagacacagt catggtggag aagaaattcg taccaatcac tctctttcca 60
aagaaggcac gtcgattcac acatagcggc ctggtagcat tcttcctgtt catctacttc 120
tgtatcacca agacatccca ccacgttggc gagcctggat cctactcgac cccggtgaaa 180
gccaaagttg gtgaaacatt tccccggaaa atctggcaga tctggaaagt gaacccgttg 240
gaatttgacg cacgggacat cgatgttgcc cgcagctgga ctgcgaaaaa cccgggctat 300
cgctacgaaa ttctgaccga ccagaatgac ctcgaatatg tcgaagcgaa tttcgggccc 360
cttggggaga atcgacccca tatcgttgaa acgtatcggt cgttgaatgc c 411

<210> 21224
<211> 318

<212> DNA
<213> A.fumigatus

<400> 21224
aaccttcgcc aagcccattt acggagtgta cggccatggg agactatgcc caaaagcagc 60
atgccacccc tgagtggtac aatccctaac tatgttctga tgggggtggg cgcctggtcg 120
gccggatacc atatgaccct gaaatatcac acccaaatgt gtatgcaccc ctgcctgtca 180
tcgctgccgc catggttgag cttacctaga attctgtctg ttttccagcg gatgaactat 240
caatgcatct acttgtcacg cttcttctgt accggatctt cactatccag actagccttc 300
agcgcaccag gctcatag 318

<210> 21225
<211> 378
<212> DNA
<213> A.fumigatus

<400> 21225
agcgaggtct cggacttctc aacatcggaa gacagcttca cagacgagga tggggacgac 60
gaggacggcg gcgctcctgt tcctgacatg ccggcaccga cttctgaacg tggagtggcc 120
ctttccttcc cctacctgga gctgtatggc attgagctcc tggagctcgt aggtctctat 180
attacagtca agtgcgatcg ttgcaaagag cacttggacg tgagaaatat tccgcaggtt 240
aaggataaaa gcgatgcttt ggctccgaaa gtcgagacgt gcaagaagtg taccaacaca 300
atgagccttg gtaagaatat cttattccat agcctgaagg gggggaaaaa tccaaaaact 360
ccaaaaaatt cacactaa 378

<210> 21226
<211> 330
<212> DNA
<213> A.fumigatus

<400> 21226
cccgccatcg acgcgttatc cgccagcccc gcggtgaaga agtatccgat tacagggcag 60
acgacgttcc tcatccactc accgtggttt gagtctctga cgatcgatct agggggggtg 120
aagcagctgc gtgtcacggc aaccgggggt gacggcaacg gggacagcaa gatttatgtg 180
caaagtctca aggttaatgg gaacccgtgg cggaagaact ggctgacatg gcatgatgtc 240
tttgagaatg gagggacgct ggagtttgag ctgggggaga gcccgagtgg ctggttcacg 300
ggtgagctgc ctcccagccc tgcgtcgtaa 330

<210> 21227
<211> 831
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (88),(812)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21227
cccaccttgt taagcgacag gcgcctttta tcatcttcgc caatccccaa tccccatacg 60
catttcccca gttttgggaa gtggcagnaa ccgtcaaatc aaccaacccc aattcttatg 120
aatgggatca acatgagtgg gatgcttcaa acaccggccc ggccacggcc cccaggcacg 180
atggttccac tttttaggcc ggtagaaaag gcgacagatg ctgccgagtt aacagatgtt 240
ctagcatcgt ctggaattga tgtcagagaa gaagaggcct ttctcacgag tagctactcg 300
gctcccggcg ttcaagcgca acagtcttta agagtacaac aaccaccatc atcgcaacag 360
caacctcaac aagccctcaa tacttctttc gcctcccaag cctttactac cgggacaatt 420

tccaccaccc ccagtttcag cgaaccgtcc cagttcaagc cgcaagtcac acaagactct 480
ttctataccg aaccggcgtc gcaaccacct gcgccgttca aagaccctaa tgagccgact 540
cgggaagaca ctgaagcagc aagacgcgca caataccatc tacaagagcc tttcttactg 600
acgaaggtac tagaacaaag gctacagaga cgcggctttg aacttggtgt tcgcataccg 660
gcagaaggct tatttcaccc tgtaccaggt cgtcctcagc ctattgaggt tactggaccg 720
gatggctcgt ccattgttcg tacggggaag actatcctaa accaggaagg ggccccttg 780
gttgatatat tgaatttact gtcgatcgca gncgtcataa cgccgggatg a 831

<210> 21228
<211> 198
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (89)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21228
tcccaccttg ttaagcgaca ggcgcctttt atcatcttcg ccaatcccca atccccatac 60
gcatttcccc agttttggga agtggcagna accgtcaaat caaccaaccc caattcttat 120
gaatgggatc aacatgagtg ggatgcttca aacaccggcc cggccacggc ccccaggcac 180
gatggttcca ctttttag 198

<210> 21229
<211> 711
<212> DNA
<213> A.fumigatus

<400> 21229
cataccaagg tatgtgaccg acgagtttgc ccatccaggc tgcgactaaa tgagacagag 60
gactacagcg gtgggggagc agggggggaca ggccagtctg aagcgaacta cgtcgatccc 120
ctggccgacg gctccaaatg cgagcgggat atcccgtacc ttttgcagct gcggaccaat 180
gtgatccgga cgtatgccgt caacccgtcc ttaaaccatg atgcgtgcat gcagaagctg 240
tccgacgccg gtatctatgt catcacggat ctggcgtcgc cggacgaatc catcacatcc 300
aactctcccg tctggacggt cgaccaatac gcccgctaca ccagcgttat cgatgcattc 360
caaaagtacg ataatgtgat tggctttttc gccggcaacg aggtggtgaa tcaggcgaat 420
cagtccgccg gcgctgcatt cgtcaaggcc gccgcgcgag acatgaatgc ctacatcaag 480
accaatggat accggcaatc gctggcaatt ggatacgcga ccactgacaa cccggaaatc 540
cgactctcgc tgtccgacta cctcaactgc ggcgaacagg ccgacgcggt cgacttcttc 600
ggctacaaca tctaccaatg gtgccgtgac aagaccttcc agacctcggg ctaccataac 660
cgcaccgagg attacaatga ctactccatc cccatcttct tctctgaata a 711

<210> 21230
<211> 216
<212> DNA
<213> A.fumigatus

<400> 21230
aaccgccgtg aagacgcaac gcttgagcct gaggaactcg acttcaaccg ttcaaatttg 60
attttagaat ttcgagagac gctgaaattc ggggtgatat cctcccaaaa aagggcggaa 120
caaaggttta ttcagtgcat agtttcgagg ggcaacagta gtgcatggat atacatctat 180
catgacgaca aatcagaatc ttgcataccc ctgtga 216

<210> 21231
<211> 339

<212> DNA
<213> A.fumigatus

<400> 21231
ggcacactcg cagtccgacc gccatgtgca gtccatcagc agtttgggga agccctttcg 60
tcgataatgg gcccatccgc tggcgaaaac gcccatgaaa cggatcaaga tagtcgctac 120
tgctcattga tagatttcga tgcagatgac cccgaccttc cgctgaattg gtcattctct 180
cggaagatat gggttacctc gatggtggcc atcctgaact tgatcgggac aattgctagt 240
agcatctttg gcactggaat caaagatttc atgcaggaat tcaacgttag caatgaaatt 300
gccgttcagg gaacgacgtt attcttagcg gtacgttag 339

<210> 21232
<211> 411
<212> DNA
<213> A.fumigatus

<400> 21232
aagatggcgc atttccttgc ctccgaacta ggggcacttg gagctgaagt tgaacaaaga 60
ccgttgggta aacaaccagg caaagagcat cttgaccttc cgcctgttgt catcgctcgg 120
tatggtaacg ataaaaacaa gcggacgatc ttagtctacg gtcactatga cgtgcagcct 180
gccctcaaag acgatggctg ggctactgag ccttttgaat tgactataga cgatcaaggg 240
agaatgttcg gccgtggaag tacagatgac aaaggccctg ttctaggttg gttaaatgtc 300
attgaagccc accaaaaagc cggtgttgag ctgcctgtca accttctctg ttgcttcgag 360
ggcatggagg agtatggctc aaaaggtctg gaggagttca ttaaatccga a 411

<210> 21233
<211> 198
<212> DNA
<213> A.fumigatus

<400> 21233
attcataact gctattcatt atttgtgccc ctgaaattcc gaaccccgga ttttattact 60
gtaaccggca tgtccgataa gaaatccggc tgccgggaat tacgggattt attaacgcca 120
agaaacttcg tcagtaatcc cccaatctcc ttcgccatct gcaatccccg ggccgcctac 180
gcccggaacg ttccataa 198

<210> 21234
<211> 213
<212> DNA
<213> A.fumigatus

<400> 21234
agactgcctg ttgtctgcaa tcaagatgag ttggttgttt tcgagagccc gcccaacacg 60
acgtgcggag agtatgcgat gccctggctg tctagtacag gcagcggtta tctctcaaat 120
ccagatggta gtggccactg cggatactgc aagtatagtc gaggcgatga tgtgagtctt 180
atttggttgg gaatgtcaca aagaggttgc taa 213

<210> 21235
<211> 549
<212> DNA
<213> A.fumigatus

<400> 21235
gttgacgact tcatctccgg tctgtggaaa gttcacctct cagtcaagaa ggagggctat 60
gttcagaact tgtcccttgg attgtaccgt tctgattaca tggctcacgc cccgacaaat 120
gcgaacaccc cgtctttgaa gcaagtggag ttcaacacta tctcatcgtc cttcggcggc 180

ctatcttctc tggtgcgaaa gctccattca gagcttctta cctccccgcc aggctatcct 240
atttcttatc ctttccaccc actgtttgaa tcgaatgtac ctcctgaaaa taccgctgtg 300
gaaaccttgt cagccgggct ggctgccgcg cattccgctt acgggccttc gaagtcgact 360
ccggctcttc ccacgtgtat tctgttcgta gtgcaggaga acgaacgaaa catatttgac 420
cagctagcac tctccagaca gctcactacc gttcataaga tacccgtttt ccgactacac 480
agtaccgagg tcttggatca tacatcgatt cctgcctcga gtgctcacgc agggcagagg 540
aacggttaa 549

<210> 21236
<211> 576
<212> DNA
<213> A.fumigatus

<400> 21236
aattgcatag cttcggtcgt tcggcccgcc tgtggtgaga ccgtgatcat cggggaagga 60
ttacagcaat acaagagcct tcgtgaccta gagaagcgat tggatgcctc cattgtgcgt 120
aagaggctgg atattcagga ttcgatcagc aagactgtca agaaatatcg gacaatgcgc 180
atttggatct ccaatactgt ggaaaatcag ccatggcaga ccggtgcagg ccagaatgga 240
gcagccccag gaagcaaccc tggctccggt cgctataaag tgagaattga gggtcggctt 300
ctggatgatg acaccgaccc tacagcgcct gatcacagcg aagacgaggg cgagaacgcc 360
gaggagaacg gagatactat ggagcacgat ggacaagatg ccgagaaggc gaagaaacct 420
gctgctaaac gaccaaagca gcggttttcg catttcttca agtcgatcac tatcgatttt 480
gacaagtctc catcttcgaa tccggaggag accaagacta ttagctggac gaagccgcag 540
ctaccggcaa atgctgtcac tcttcctcca attgcg 576

<210> 21237
<211> 264
<212> DNA
<213> A.fumigatus

<400> 21237
ctcactctcc gctcggttcg gactcagtcg gctaccaatg acctctatct gattgccccc 60
cggcgtagta ttattcgcca tagccgacgg ccgcaacact gcgttgacaa aaatctccag 120
caaatccgca taccgctgcg acatgtgaat atcgtctgga gcattttgcc tgatgacatt 180
gatggtccga agaagaaggt caatacaagg gttggtggtg cggtcgagtg gttcttttcg 240
tctcagtacg gcctaagaac ataa 264

<210> 21238
<211> 540
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (313),(397),(490),(515)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21238
gcagcgcgtt tccttccagc ccccgtgggt gaagacggca aggaacacgg tcttgatctg 60
gccagagcgc agaccgacag caatgtcggc aatggtgacg tcctcagtct caccagagcg 120
gtgggagacc atgacacccc agttgtcggc gtaggagtcc ttggcggcct ggatggactc 180
ggtgagggta ccgatctggt tgaccttgag caggagggcg ttgcaggact tgagctcgat 240
ggccttcttg atacgcccag ggttggtaac agtcaggtca tcaccaacaa tctggaagtc 300
cgaggtcttg tgnaagtatc tccaggcctc ccaatcatcc tcaacgaagg ggtcctcaat 360
gctgacaatg gggtacttgg cagcaaggga cttgtanagg tcggcaagct gctcgtaggt 420
gagccacttg gaggggtcgc tctcggggtt cttgaagtca aggtcgtact tcttgacgtc 480

ggccttgtan aactcgctgg aggcaacgtc catanccatc ttgatcttgc cggtgttacc 540

<210> 21239
<211> 540
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (26),(51),(144),(228)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21239
ggtaacaccg gcaagatcaa gatggntatg gacgttgcct ccagcgagtt ntacaaggcc 60
gacgtcaaga agtacgacct tgacttcaag aaccccgaga gcgacccctc caagtggctc 120
acctacgagc agcttgccga cctntacaag tcccttgctg ccaagtaccc cattgtcagc 180
attgaggacc ccttcgttga ggatgattgg gaggcctgga gatacttnca caagacctcg 240
gacttccaga ttgttggtga tgacctgact gttaccaacc ctgggcgtat caagaaggcc 300
atcgagctca agtcctgcaa cgccctcctg ctcaaggtca accagatcgg taccctcacc 360
gagtccatcc aggccgccaa ggactcctac gccgacaact ggggtgtcat ggtctcccac 420
cgctctggtg agactgagga cgtcaccatt gccgacattg ctgtcggtct gcgctctggc 480
cagatcaaga ccgtgttcct tgccgtcttc acccacgggg gctggaagga aacgcgctgc 540

<210> 21240
<211> 459
<212> DNA
<213> A.fumigatus

<400> 21240
tcagacttag gatgcggctc cgcccatccc cgatggatga agacacataa cgtcatcatc 60
aatcaactgt ttggtcaaga gaccgggctg gggatgtctc ttttgacctt tgactgggca 120
caagtcgtct ttgcgaacca gagtccgctc ctcgttccat tttgggccgg actcaatgtg 180
atggggtcgt gtgccttgtt ttactggatc atctgcccca tcatctatta cactaacaca 240
tggtattcag catatatgcc tatgatgaac tccaatacgt ttgagggcac cgggagacca 300
taccacacaa agaacgtcat ggatagagat gggactatcg acactgaggc ataccgccgt 360
tattcgccca tgtttcttcc aacacgctat gctctgacgt atgggatcgc attcgccaat 420
cttacaggca tctttgtcca cgttgcgctt tacaatgga 459

<210> 21241
<211> 738
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (147),(160),(340),(723)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21241
gccttcggaa attttgggag gaccgaatcg ttgagtttac cggaatttac caggaaggaa 60
tttgaaacgg gggatgtcaa tttgggcagc gcggttatcc agagcacaag cgagatcttt 120
gccgttggac gtatcgcttc gaacagnttg gaagggaagn tgaatccggc gtcacttgtt 180
tttgagactt ccagacggac aggcgctggt ctacgtgtac cactgaactt ggattccata 240
cagtcggcga atttttcgc tggacaaata gttgcgctga gggggatcaa tgcctcaggg 300
aactatttct ccgtcaagga ggtgttgcct cctcccctgn taccacgtgc ggcgtcttct 360
ccagtttctg tggacactat caatcagagg ctagagcaag ccggctctcc ctcaccattg 420

aatgtgttga tcgcgtctgg accatacacg gcggatgaca atctcgcttt cgagccgcta 480
cacgagatct gtcagaaagc cgctgagacc tacgcggaca gccttgtact gatgggccct 540
ttcctggata ttgagcatcc actgctggcg tcaggggact ttgacctccc cgaaatggag 600
ggatttgacc ccgacactgc cacattggca accgtgttca ggcacttcat aacagtgccg 660
ctacagaaac tcgtcgctgc tgtgcccagc attacgattg tgatgatacc gtccgttcgg 720
gtnggcacgc cgccgtga 738

<210> 21242
<211> 324
<212> DNA
<213> A.fumigatus

<400> 21242
caattggtcc tcatttttgg tccgccgagt acttacccat cacccgtcaa tacaggcaag 60
cgaatcgccc tgccaacccg ggtcgaaccc aaggtcttct tcgccaatga acgtaccttt 120
ctctcgtggc tcaacttcac ggtgatcctg ggcggactgg ccgttggcct gctcaacttt 180
ggcgaccgcg tcggtcgcat ctccgccgga ttgttcacga tcatcgcaat ggcagccatg 240
ttatacgctc ttttcacatt tcactggcgg gcgcagagta ttcggcaacg tgggcagagt 300
ggaattgacg accggtacgg tccc 324

<210> 21243
<211> 387
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (111),(122),(156)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21243
gcaaagattg agacttgcac cacacaggaa gacgcacaag tcacctctga gaaggaccag 60
aagctggagc cgtcgacatc tgtcgccgta agccagggcg ctggtgaagt ngacattccc 120
cntcggacct atcgccagaa aatcgccctg atccantacc tcgaggatga ccagacgact 180
tggtatcagt acttccgtcg cccatttttc ctctttgcct ttccaaacat cgtgctggcc 240
ggcattcaat tcgcatttgg ctgtacagcc ggcatcatct cttttaacac catctcggag 300
attatgacgg agccaccata caactggagt gcaggctcag taggcctact attcctagca 360
gcgctcgttg gtaacttcat cgggtaa 387

<210> 21244
<211> 204
<212> DNA
<213> A.fumigatus

<400> 21244
cccaccagcc cattggtccc tcttggtaca tcgcaacccg cggacctcaa tgtcagacag 60
aagaaggaag aagatctgac caagccatca gagaaggacg cagtatcgta tctgccgtct 120
ggtatcatgg acgatgcaag cttcgaagtg acgtggtcaa acgaagaact cgttggttct 180
cgaagattta tttatatcaa ctga 204

<210> 21245
<211> 396
<212> DNA
<213> A.fumigatus

<400> 21245

tggatcttca gccgcgtgca tactctgctg ccggtcagca tgcgcaagtt tctgcccgcc 60
gctgatgcca tgttggagat gatctgtatc cacctgccct ctcccgtcac tgcccagaag 120
taccgtgccg agactctgta tgagggtccc atggacgacg agtgcgctat tggtatccgt 180
gactgtgacc ccaaggctcc tctcatgctt tacgtctcca agatggttcc cacctctgac 240
aagggtcgtt tctatgcctt cggtcgtgtc ttctccggta ttgtcaagtc cggtcttaag 300
gtccgcatcc agggtcctaa ttacatccct ggcaagaagg acgatctctt cgttaaggct 360
atccagcgta ccattttgat gatgggtcgt ttcgtt 396

<210> 21246
<211> 210
<212> DNA
<213> A.fumigatus

<400> 21246
gttacttcac atatagattc cgaggcgaat gagcgtgaga ttgttgagga ggagagatct 60
ctaacggatc ataatgataa gggagagggg cccgaaactg agtcggcctg ggccaatgag 120
gccattactg gtctgtgtat ttctcggacc ggtcacatat ttgcgacgat gaccgactcc 180
tcgatagctg tttggcagac tagagtatga 210

<210> 21247
<211> 309
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (299)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21247
cctactacag ttgttgctgc gattgcccgc tccgcctcgt ccatgaagac atatgggtcg 60
aatgtcgctg ttctgatgca tcctgactcg acgatccttg ctgtgcagac acttggtgga 120
tatctgctta cttacacgat tgccaccgac cccacaagtc gcgtatatca acaacatttc 180
gatcaatcga gtcagagccg tcgtcagcag ctcgctcgac tgtctgccga ggacgatgcg 240
aatgcaatgc ctgatgtcag tcttctacca caggggggcga agggccgcgg cgaagcgtnt 300
aatccgcac 309

<210> 21248
<211> 375
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (374)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21248
ccctttgatg catatattcc tggatacctc ttgctatcgc tcggaggtcc cttcatcttt 60
atctcgtcat tccagctgtc caacacattc cccactcgct ctgggttgat cctgtccatg 120
ctcacaggcg catttgatgc gtccagcgct ttattcttaa tcttccgact caccaacgag 180
cgcaccaatg gctcattcac cagccacaga ttcttcatgg tttatctgat cgttcccgcc 240
ttcatcctcg ccgcgcaact tctcgtcatg ccggccacat cctacaaaac ggccggcgag 300
ttagtccaac aagcagaagc gtacatcgtt gatgaagcta atgaccgcgt cgacgagcgc 360
atccacgctc gttng 375

<210> 21249
<211> 243
<212> DNA
<213> A.fumigatus

<400> 21249
tttggaaccc ttggctcaca tctagtcatc agtgtggagt gtttgggtaa gacacctggt 60
gaggagggtg gacagatgta caccgtcggg cccaactact ggtttaaaca cttttccccc 120
ttgatcgggc gcctgacagg gacgaaagac gaagtgcaga gctcagatgg caagaaggca 180
gtcagccgtt acaagtatgt tatctcggac ctggctaccc tgaacgcaga ttgcttattt 240
tga 243

<210> 21250
<211> 564
<212> DNA
<213> A.fumigatus

<400> 21250
ccccccacg cttctcctcc ccggtgtgaa gaccccatgt tggcgcaaca tactgtcgcc 60
aacaaccacg gccgggaacc gcccttgcag cttttgagtc cagctcacat ttcaaacggt 120
cttccccgga cctcatatca agactcgcag ctacagacct ctcctgcctc cagcaaatct 180
ggcccagcag gaagcgtgca acggtccaac aacggtagcc tgtcaaagcc tctgcctaca 240
cctgcccaga cgcccgtgca gaactctttc ctcgccacac cgtttcagaa ctacgatcca 300
tccgcacatg atgctagtca ggccgaggca gaagcggcta tgagacgggc tgtgatggag 360
cagcaacagc aacagcaatc acaaaaccaa tcaagtgact attcactggc tccctccgtt 420
tcgaccgtga gtcacaactc gccggtgacc ccgcagacaa accttgacga gatcgacgat 480
gcatcgaagg cgatggctaa tggtgagaac cgatatcccg atgtagaccg gtggatggat 540
gaatacttac atgccgatgc gctt 564

<210> 21251
<211> 570
<212> DNA
<213> A.fumigatus

<400> 21251
acccatttct ccactgaatt agacgagcca ggggcgaacc gggcaatgga acggatacca 60
aaagagactt tgcagcagct ctactttcac actcttctcg acttggacaa agatattctc 120
agtggtgcat tggacttctg gtaccagtat acactttcgt ccgagaacat tgagactttg 180
attgaggtct tcaacttgcc tacagtcttc gtcccccgga tggtcgcact gttaacgcat 240
gaaggccgac cgtacaagaa ggaaactgtg ttgcaagaag aaaaggtggc ccccccaccg 300
tcggatatcc ctcgtgtacc gcccgagctc atgaaagagc tgatggagct ttcggagcct 360
gaacggagct cgcgttggct ccggtgttgc tttgtggagg acctcgagtg cgagatcacc 420
caaattgcct tgtggcaggc gtatcagagc agatttgcag accctcgcct tcggtggggg 480
ggggggtgtg gggggggggg gggggggtcaa aaatgtcagt acgactttcg tcttcacgcc 540
gcgcctggaa ggtaccgagt ggggggggggg 570

<210> 21252
<211> 255
<212> DNA
<213> A.fumigatus

<400> 21252
cgccctttac gctttacctt cgacccccgg gcgtgtaaga ctggcaagca gtttgaattg 60
cgcagcaagg tcatcggtgt ctatgacaag ggcaaggctg gttcagtgat ggaaaccgaa 120
caaaccatcg tggacaaagc aacgggggag atctacacca agattgtgag cagtgggttc 180
tttgttggcc agggtaactg gggtggtccc aaaggtcagt tactcacgtc cttcttctca 240

aattgcggtc attaa 255

<210> 21253
<211> 345
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (277),(341)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21253
agtctaaacg gcgactataa ccctcttcat gctacacccg agccagggca acagatgggc 60
ttcggaggca ccatcatcca cggcctcttc agctggaaca gtactgctca tgccgttctc 120
aaggcgtttg gcggcagcga ccccaacaac tttcgcgaat tccaggcacg ctttgcatcg 180
ccagtgagac cgggtgaccg tctcaccacg gaaatgtgga gggtcggcaa tgccacggat 240
gggttcgaaa agatccgatt tgtgaccaaa aatgacnagg ggaaagtcct cctgagcaac 300
ggtccggctc tgattaaagt acccaattca ggctcgaaat ngtaa 345

<210> 21254
<211> 627
<212> DNA
<213> A.fumigatus

<400> 21254
cattactttt ccacggcggc tgttaaaacc ttgatgacgc atgtgcccat gaagcgcaag 60
gtgatacttt cagtgctctt cgccttgtct ttgatcttgg ttgggatcac ctgctatcgt 120
gttccgtcgg taatttggca ccacggatca cagcaatacc gatcgcttct ggcgtcgcta 180
gagattctag ccgcgaccgc tgtctccaac gcggtcgtca ttggctcatt cgtcagagat 240
aaaggcgtta agaacgcgaa gttcaagaag gatgttggtt cggcctcggt gagcgaaagt 300
atggatcaca gctcgacgag acgtgccacc atcacctacc atcaatgggg cagcgactcg 360
gatcttgcag gagacctggg gatccgactg gcgcctgaac ttcaagcctc ggaccacaag 420
attcctcgtc cagcgccaat cgccgtacct taccatcccc tcacagccca aacagggacg 480
ctgaccgcga attggtcctt tggcaaccag cgtcactcga taggaaccga tgacgacaaa 540
acgtctacaa ccggtagctt ggagctgaaa atcagccctc acgagtacat cgagaccatc 600
aaaaacccctc acaaaaaagt ccaatga 627

<210> 21255
<211> 654
<212> DNA
<213> A.fumigatus

<400> 21255
tcatatttcc acgcggcgct aataattaat aaatgcttga gctccacgaa cttgaacccc 60
tacttcattt tctgcctgaa gccgaacgac cggcgcattg caaatcagtt tgatagcaaa 120
tgcgtacgag cacaggtaca gatgttcggc attgctgaaa ttagtcaacg gctacggaac 180
gcggacttta gcgttttcct tccattcgct gagtttcttg gtctggcgga aattggcaac 240
atcgtcgttg gcagtgacaa agagaaagcg gaagtcgtcc ttgatgagaa gcgttggcca 300
ggcaatgagg ctacagtcgg cagcactggt gtgttcttga gcgagagatg ctgggccgat 360
ctagcaaaag tcggagagcg cgttgttcct gtgtatgctg ctgatatgtc cgatgataga 420
ggtgatggtt tgctccaccc ccgtagcact ggctacgggg actccaaagt ccgactgctc 480
aacccagcag atcagtcccc tggagcgttc atctatggtg accaagctaa acacggttac 540
ttcggcagcc gtgatctcga tggacgctct gatgccggta actctgcgtt caactccggg 600
gatatgtttc caaaccatga aacgcgggaa cagatgctcg agaaagggaa atga 654

<210> 21256
<211> 189
<212> DNA
<213> A.fumigatus

<400> 21256
atcggcccag catctctcgc tcaagaacac accagtgctg ccgactgtag cctcattgcc 60
tggccaacgc ttctcatcaa ggacgacttc cgctttctct ttgtcactgc caacgacgat 120
gttgccaatt tccgccagac caagaaactc agcgaatgga aggaaaacgc taaagtccgc 180
gttccgtag 189

<210> 21257
<211> 522
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (13)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21257
tccttccagc cgnctggtga agacagcttc ctgcatgttc tcgatacacc acacagcaga 60
aaacacctgc gaggaggatg tgaactagag gccgtgctcg cgccatttac tgactccctt 120
tcggactcga ttcataatgg acgattgaaa tcgtctgcca aagccatttc cgcaatgctt 180
aaaacatggc cagggttgat aatccttgca agacatgaag ccaaacccct tcaatccctc 240
ctagaatcgc ttcactaccc agatccacag gcaagagatc tcattatgga actactcttt 300
gatgccctca gaattaaacc accttcttgg tcatcctcct ttctcgctgg ccgccgactc 360
accacatatg gcagagttgc taacctcaga tccgagtccg acgcaaaacc agttcgcgca 420
ttttacgaca gcaatgatga tagatttgat ttgacggcgc atttttcgac attgattctc 480
gcgacgctga ttgatgccgg actttcccag gtatgcttct cg 522

<210> 21258
<211> 513
<212> DNA
<213> A.fumigatus

<400> 21258
ggacgaaagc aaggcttcag gtgctactgg agagggaaga atcactgtca tgggcagcat 60
tgtgtgggcg actgtggagt cgatgtatta ctgagcaggc tcgtggacgt ctttgacgaa 120
gttctcgcgc atactgcggc atcgtcgaac acgagcaatg agggggaaga tgggcttcgg 180
ataacctgga aggactttaa gggccaggag ccaacgcata actgtgcaaa cattggtccc 240
gatgtattga ggggagtgta caacttggtg aagcagggac gattcgactg cgatgcgacg 300
gagatcatat acgagagagc tctcgaagac tgctctggag atgttgacca atcaagtgca 360
ctatttgagc gattgaaaga ttccatccgg aatgagttgg actgtcaagt ctgttactcg 420
ctaatcacag acccattgac cacaccctgt ggccacacgt tctgccgcgg ctgcgtcttc 480
acccacggag gctggcagga tccgcgctta cga 513

<210> 21259
<211> 573
<212> DNA
<213> A.fumigatus

<400> 21259
ctctcagcaa gtttagatga taggagaccg agtgcgaaag acggagatac caacaatagt 60
catcgtgata agaaaccatc gacaaaagcc aagcctatga aacttgatct gcacttcaca 120

ccagctcatc cccaagaaac tacgacttcg aaagcagaat ctcccgccca gactgctcct 180
acgcgctatg ttgcagctcc cgtttctgcc gtcgggtcaa ggccaaatac tcctatgacg 240
ggtgtctccc gggcttcgga ctcctcggct cctcgacagc cgcgggttct tcgcgtggtt 300
gacaccccaa agaccgagac accacctccc gcttccacct ctcagtctag cgcttctctc 360
ccgacaactc tgaagacacg ttcaagacgg ccaagtattt cttcgctcag tcgacccgat 420
actcccggtg atttgggctc tgaagcggat ctgtacacgt ctgcgtctgc ttctcgtgcc 480
aattcgcctc ccgcttcctc taggattggc tctgcacctg tgcgctctat cagtaagagt 540
caaggtcttc gcgccggggc gagatcagcg tac 573

<210> 21260
<211> 429
<212> DNA
<213> A.fumigatus

<400> 21260
ggggtatatg ctgaccactg cctcaattgg accaacagtt tgttaatcgt tctggcggtg 60
gtttcgacca tcagctggtt tattcggtat cgctttctga acatgtacag tcgattacct 120
cccgagcccc aacggaagga accgcaggtt gatctcttcc ccgatgtaca agaaggagat 180
tcgaagccag ggctggccaa ttacctggac gaattcctca gcgctatcaa agtttttggg 240
tacttggaac ggcccgtctt ccacgaattg acccggacaa tgcaaaccag gaagctgatc 300
gcaggcgaaa cgcttatgtt ggaggaagaa aagggattct gtctagtagt cgacgggttg 360
gtccagatct ttgtcaagtc catgcgagca cggaaagtct tcaccccagc ggccaaggac 420
cgagctagc 429

<210> 21261
<211> 498
<212> DNA
<213> A.fumigatus

<400> 21261
agatacgatg attctgtgca ttcacatggc cgaccacacc ctcaggagtc ggccagacac 60
aaggcacata ccccgaagcg cacatcgaaa actaaccaag ctaacgtgac aagtctgatg 120
tcgtacgacg ttgatgctat atacaactcc cgcgacatct tttacgtagc cactgcggtg 180
ccgatatcca ctaccattgc catggtcttc ctctacagga tgctcgggtg gccatcctta 240
ttcggcgtct tgacgctgtg ctgtttgact ccgcttccgg ctctggcatc gcgcagggtc 300
tcacgcatcc aacagtcagt gatgagggca actgatatcc gtcttgcccg gatttcagag 360
tacttaaatt ctatccgaac cctcaagttc ttcggatggg agccagctgc tgtggcctcg 420
atcaatgaga tcagacacgt ggagcaacga cgtctctgga ggcgcagtgt ctttgcggcc 480
gccatttcta tggcaggt 498

<210> 21262
<211> 555
<212> DNA
<213> A.fumigatus

<400> 21262
gtcctgggtg tctcggcaga accaacaata tgggcccctg cgtcggagct gatcgggcga 60
cggtggccga tcacggtagg aatgatcgga tatagtatct tcacgatggg gactgcgaca 120
gcaaaagaca cgcagaccct gttcatcacc cggttctttg gtgggctgtt cgccgccggt 180
ccctttacca tagaaccgga tgcctttgcc gacatgtaca acgacagcca gagaggaata 240
gcgattgcca tgtttgcaat ggccgtcttt gtcggcccct tcgcatcccc cttcaccggc 300
ggcttcataa caatgagtta cctgggttgg cgatggacca tgtacatttc cgccatcatg 360
gggttctttg gtgtcgtcct cctgatcttc ttctacaagg agacatacgc tccggtggtg 420
ctgatggaga aagcagcaat gctgaggccc cagacacacg actggcggat ccatgcaaag 480
caggacgagg tggagcttga caagctctgc atggactctt caccacaggg gccgaaagat 540
ccgcgcaagc gccct 555

<210> 21263
<211> 792
<212> DNA
<213> A.fumigatus

<400> 21263
tggaatttca gggggccccc acattttata acgttgatgg ggaaaccatt aacagaggtg 60
gttatcttcc gtttcagaac ctattacacc aacagttatt tgaacagcgt tatcccccaa 120
gaatttgcca tgatctctgg caacgcgtcg gcccattcgc aagctgaggc tgatcatcct 180
tacaatggtc tcgagtgttt ctgcgagggt tctagcgaac gcgaatcgga tatcgccaaa 240
tttcccacca gcacctgcga ccagcacctg cagctcaacc ttctctttcc ccagtgcttc 300
aaccctgacg accattccga gtacgacttt gcagacgagt ccaatacctg tcccgagggg 360
atgttgcaga tgccgcagct tcgctaccgc gtgcagtatg ataccaagtc tgtggcccca 420
gatggatgga gcgggcctgc gccatttcag ctctcatgca gtgatactcc cggtgatggg 480
tactgcttcc acgcggactt tatcaatggc tggtttgagg acgccgcgga gaatatgctc 540
atcaatggtg gtggaggcta cgaagatggt cagtttatct cgggagagca tggcacttcg 600
gcggttaagg cgacttgcac gcctactgat caggacccgg ataacggcac cagcgactat 660
tataccagtc tggagatgat ggacgatggc gccgctgcgg gggatgcggt ggcttcggat 720
gctactgttg ccactgggga tgctacgtct acctctgtgg gtcttcacca cgacgcggca 780
ggatccagat ag 792

<210> 21264
<211> 546
<212> DNA
<213> A.fumigatus

<400> 21264
taccccctga ccgcgtctcc ttgcagcccg gccggtgtaa aacaggccat ggtaaaggtt 60
gcagttttgc taacagaacg gtatgggaga gttctacgac gagggcgcaa ggaccgcatc 120
aagctcttgt tcggaagtct cgctgacgtt gggagacgta atgtcagcac gtctccagac 180
acggaggatg tatgtaggga gacagatgat actgtcaaac cgcatgtgac aggctttgag 240
gtcgatgcgc ctgccaacga tgactacggg gatgaggatg aggatgagga tgatgatgat 300
ctcgccctgg cggccttgga atcgttggat gctattgacg tgttcaagca cgactctcgt 360
gtcgataaga aggtctatga agctcgtata tccgtcgcta cattacgtcg tcttctgatg 420
ctctttcttg tcattgcacc tctgaagact ttggagcccg tgactttgta tacctcggac 480
ctcaacgagg ctcgaatgga gagtattcga aaagaggccg ataccattct ggctgccttc 540
agtact 546

<210> 21265
<211> 309
<212> DNA
<213> A.fumigatus

<400> 21265
tgtagcgacg gatatacgag cttcatagac cttcttatcg acacgagagt cgtgcttgaa 60
cacgtcaata gcatccaacg attccaaggc cgccagggcg agatcatcat catcctcatc 120
ctcatcctca tccccgtagt catcgttggc aggcgcatcg acctcaaagc ctgtcacatg 180
cggtttgaca gtatcatctg tctccctaca tacatcctcc gtgtctggag acgtgctgac 240
attacgtctc ccaacgtcag cgagacttcc gaacaagagc ttgatgcggt ccttgcgccc 300
tcgtcgtag 309

<210> 21266
<211> 228
<212> DNA
<213> A.fumigatus

<400> 21266
ttccactcta atattgtgct gcagtggtac accaagcaag aacagaacaa ccgagtcaat 60
atatggttca gcttcaacgg ctggggccag atttttggcg gcttactacc atacggcatc 120
gcagttggta ctgcgaataa tggttcggcc atcgaaccat ggaagattgt gttcctattt 180
acgggggctgc tcacaatggc cttgggtgtg atcttcttgt gggtcgta 228

<210> 21267
<211> 588
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (36),(42),(55),(72),(73),(79),(90),(118),(365)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21267
gcgatccttc gcgcttgtcc cgtcactatt gaagancgaa gnacagggcc accanacttt 60
aagattggaa annttagcnc ggaggacacn ccttggtgtc cggtctgcct ctcttcancc 120
atctcaaaac gctggaatat ccggccgttg ccactcaaac aagtaattcg ccatcatagc 180
cttcaaaatc tgtctcttgc catcgacgaa cttgtaagcg acccgcgtac agtttcaaca 240
atgcccttcc tggagatgac cccggtggcg cggaacggcc agctcccact gtcgtacctc 300
gagaaagaaa tgctgctcaa ccacctcata tctggcggct cgccggccgg aaacatgaac 360
cccgnctgca attatttttt tttattcaac gccgaaaccc cggcacacgc gtctcacagg 420
gtcacagcat atgtagaagt gtctcgcacc acatactccg ttattgaggg cacgctctac 480
cggcaacagg ccccacgatc tgtcaatgtc ccccccgtgg tccaaaccgg taacccctgc 540
tcatacgtcc acggcagaat taccctctca tttgattcta ccacacaa 588

<210> 21268
<211> 288
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (148)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21268
aggcttttct caaccagacc actttcggac tccagacacc actcgtctct tttacgatac 60
aaagcagtcg agatgtcggg ccctgtggat acagcaaaat cgatcacgaa aaagcgcaag 120
agaaagcacg ggggaggtgc tcgtgcanca actgaaacag atgatgcgat cactcggcct 180
gccattgaaa atggagctgt gaacgattcc cctgagaaag aggaggatac taagaagagt 240
gagaagaatg gaaaggataa atccgctaag aagcgcaagg tcagccac 288

<210> 21269
<211> 225
<212> DNA
<213> A.fumigatus

<400> 21269
gctcggttgg cacaacatgg agagagatta ttgcaagcat ctggaagatt tgttgtaagt 60
tatccagtct ctttgacatg gatccgtatc agcgctgact tttatagtcc ccatcatcca 120
ctgtcctcgt caacgggcac acacaccttt ctctcatttt cgtataagaa gcagaagggg 180
gtctatatga ccatgtatta taatccccgg gtgtacagca cctaa 225

<210> 21270
<211> 471
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (366),(462)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21270
aagccgcggc ccagtgatgt gatcctcgca atggcattgc gcacatcggc cgacaacgca 60
gaggatgtgg cagctggctt ccggatgctg cgcgatcctc tgcccgaaca tgccacggag 120
atcaccagtc tcattgccga cctctactcc atcagcacat ccttgactag cctggatgac 180
ctcaccaaga atcgtcacta tcggcgtaat gtggctatcg ccaaagaaga cctggatctg 240
gtacagacca gcttgaagta tacactcgag gacattgtgg atttcttcgg cgacattgaa 300
gtgcaaaaag ggtcgaaccg cgaggtctac aaacggacct ggcttggcct gactgcgttc 360
ttccanaagg agtctcatga gccgcttccc actcgtctgg ccaagtacaa ggcgtttctc 420
cgggaattgg aagatttgat caaggggtac gttcagcttg tnttcgtcta g 471

<210> 21271
<211> 876
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (47),(213),(247)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21271
gccagacccg caatggggtt tcaagcgaac cctttactgc aaaaatncag aactgggatg 60
aataagggag gttttccaag acccaagggt gcggaaggag acttttttcac cctggcatgg 120
aaagaattct ttcgaggttc cccatcaagt ctggaaattg gggccaaatt ccgcgtggac 180
gtgtacgaat gggattttgg tgacaaggcc gantacctag gcggtgccaa catcaacctc 240
gaaatgntgg agcctttcca cagccaggag gttacgttga cactcgacgg caagtcggga 300
gccatccggc tgaacctgct tttcaagtca aactatgtca tgcggtcccg tcaaggatcc 360
tccacattct ctggtacttt cgcaacaccc ggcaagatcg ttggcgcccc cgtcaaagga 420
gtcggctttg tcggcggtaa cgtcatcaag ggtgcatctt tcctgaagca tggtatcatg 480
tcgcggttca agggggatga ttcgtcgagt gatgagatcc cggaggagcc agaagaagtc 540
tcgaagacgg agacaaccca gacaccatcg gccatcctgg tcgacggtgc gacaccacca 600
agctcgactc ccaactcatt acagcacgca cgaacccgaa gcgtggtgtc gcactttggt 660
gaccgattgg gcattggtgg cagtgctggc aagggagaga ccggcacggc gacgatcacc 720
gtggtgtctg ccagcaacta ccctccatca tccaacgtcc gagtcataat caaggcgctc 780
ggtcctaagg gtgccaagga ggtactcaag accaaggcca tcaaggccag tggcggtctt 840
caccaccggg ggcgaaggct acgcgctaag cgtaac 876

<210> 21272
<211> 504
<212> DNA
<213> A.fumigatus

<400> 21272
cgacttcagt ttgaacgagg tactatctcg tatatgctta catccacact caccaaaccc 60
acgacgatga acccgaccgt ttcctgccga agacgcgtta atttcctaga gaacatcgat 120

atcgcaccct ttccggcccc caaggctcgc atcgtgaccc ttgaacctgt taccagacgc 180
tcaaaaccca agggcaaggc caagtcagta gaatctgatg cggctgctga tgtccagtct 240
cgggagccgt ctctcaatgg tagtggagcg gttggagata atcgcccgcc ccttagtccg 300
gcccccagta atgtcagctc gtcgagtcgg ctcagcaaca gcagccaaag ctttcaactg 360
gccagtgacc ctagttcgtc tgctggcact ggggtacgca atggcagcat tacccccttcg 420
atcgcggata agactatcac ggcgaaaacc gaacttttca cgggctggtg tcttcaccac 480
gaggcggcga aggatccgca ctag 504

<210> 21273
<211> 702
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (22),(38),(656)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21273
ttggccagtt tggtaatctc cnttgagaac ctgattgntg ggcaaccaga cacggacttg 60
agcaatgtca ccggacaaat gttcaacaat cgagtgtatg agatgtcgat tgcgaagcca 120
gggcagccgg tcagcgcctg taaagtgcca gaaagtttaa cggaggctat tgaaaactct 180
atccaagcgc atcctgacat ttatgctgtc gaagggttga cggggcgcct cacgtatagg 240
gagtttggaa ggatgacgga gcatatctcc cagcgtcttt tgcagcacat ccagcccggg 300
agcgtggcct gtatgattag cgatggctct cttctttggc ttctggccat ggttgcgata 360
atcagagccg gtgctatcta ctgtccagta gatgagaaac tgcctcgcga tagaaaagac 420
tacatggttc gaaatagcag agcagcattg atcctctacg ccaattccag tcaggaaccg 480
ttgtgcaatg gggttccgtc tctaaacatg gagtctatta tgcaggaaat atcttcatct 540
tccggctcac cgattgcaac cagtcgcaat cgtcccagcg gtgatactgt tgcatgcttg 600
gtctatactt caggaagtac gggcttgcct aaaggtatgc ttaactttaa acatgntacg 660
ctgttttcac acacgggcgc aggaagcatc agcgcggtgc at 702

<210> 21274
<211> 204
<212> DNA
<213> A.fumigatus

<400> 21274
tatttccacc cagcgattac ctctcagcct ccacttttgt ggattcctcg tgataaactc 60
ggggtgagca aacaggaggt caagcataca gcacgagtta ttcccatcac ggacgaggat 120
gcttggctgg acgataagaa caagatccac tgggacgttg acaagggcgt tcctcccatt 180
tttgaggaga aaatttacta ctaa 204

<210> 21275
<211> 387
<212> DNA
<213> A.fumigatus

<400> 21275
gatatctcgc aaatccgggt taagaacctc gaatccaaaa cctacatcga taagacccaa 60
aacgctacta cgcacactga gaactcgcct gcattggaga tcgacaagga gacagatcgt 120
gtgtacagag cattggaccc taaggttccc atcatcgtgg catctgccgc tgacgacaag 180
cctatttttct ctgttacacg cgagggattg aatgatgtcg ttgtctggaa cccgtggatc 240
gaaaaggcaa agggcatggc cgatttttcc ccggatgatg catacaagaa aatgatttgc 300
atcgaggctg gttccgttgc tagctggcag actttggagg ctggcgagtc ctgggaggga 360
agccagtcaa tccgcccgag actgtag 387

<210> 21276
<211> 600
<212> DNA
<213> A.fumigatus

<400> 21276
ggagtttccg ggttcctaga tcagtacgca cgttacgacg actttgaaaa ttttatgaga 60
ttgtatgcaa ccagtaggac agacgtcaac ttcactgtgg tctcgataaa tgacggtctc 120
aatctgcagg actcgtccct gagcagtacc gaagccagcc tagacgtcca gtatgcctat 180
tctttggcgt ataaagcgct tggaacctac tatacaacgg gtggccgagg accggttgtg 240
cctgaggaag gtcaggatac gaacgtgtcg accaatgagc cttacttaga tcaacttcat 300
tatcttcttg atcttccaga tgaagagctt cccgccgttc tttcaacctc gtatggtgaa 360
gatgagcaaa gcgtccctga atcatactca aatgcaacat gcaatctgtt cgcgcagctt 420
ggcgcacgcg gcgtgtcgat catcttcagc agcggtgact caggcgttgg ttcaacatgc 480
ataactaacg atggaaccaa gacaactcga ttcttgcctg tcttcccagc gtcctgccca 540
tttgttactg ctgtcggcgg tactcacgta gtcttcgcca agggtggaag atccgcgtcc 600

<210> 21277
<211> 474
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (44),(59)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21277
gcgcggtgga agtataacca aatttttca agacgttcga tttnttgggg tttgtcttnt 60
ttgcccctgt tgcaatccaa actcctgtgg gcactggaat acggaggtat tgaatatgca 120
tggaacagcg ccaccgtcat cggcttgttc tgcggtgcgg gtgcaacgtt ccttgttttt 180
acggcatggg agcaccgcat ggggaaggat gccatgattc cattccatgt gattcgcaac 240
cgaatcgtct cctgcagctg tgtggtgatt atgtttttgt tcgggatgac aatcactgcg 300
tcgtactatt taccgatata cttccaggca gtaagagaca agtcggcgct ggttagtggt 360
gttgatttgt tgccgggtgt gctgtgccag attgtcatgg ctctggtctc aggggctctc 420
agtatgtcat ctgttccttc tgtggttatt catgctaatg ttgtcttgcc atag 474

<210> 21278
<211> 204
<212> DNA
<213> A.fumigatus

<400> 21278
gcagagagtg ttgttcacca catggttaag cgtgctgtgg aaatggaggg gactgtaact 60
ggggagcatg gagtgggaat ggtgaagagg gactatctgg agcatgaagt cgggaagaca 120
acagtcgata ctatgcgcag agtatgttac aaccttcaca atgtcttcgc gtcatccttc 180
gccttctact attctatcta ctaa 204

<210> 21279
<211> 183
<212> DNA
<213> A.fumigatus

<400> 21279
tacatgctgg tactagtcac atatgagcgt gctgggtcct atgaggggct tgtcatgtct 60

agcggacagt cagtgaatgc ctgctgcctg cctgattgtt gcctcgtcga ccttgccatt 120
ttcgccgcgt ttaacgtcac ctactttctt tcttcaccac gcgggcgagg atccacgcat 180
ggt 183

<210> 21280
<211> 195
<212> DNA
<213> A.fumigatus

<400> 21280
tcaaaaatgg ccgagaaaag gtccgatgta gatatagacg cccatcccgt ccatgaacga 60
cgcgatgatg ccttggatta tttggatgaa catgccaatg tccaggatga ggcgacggtc 120
gatcttgcag ccctccgacg caagatcgac tatcgcatgt cttcaccacg gggctggaag 180
gaaacgcagt gcgtg 195

<210> 21281
<211> 228
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (70),(91),(177)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21281
ggtgacaagc tcaactcgga cgaaccggcc ttgctcagga caaagcatgg gatgagaaaa 60
tggttgagan accagaaaca gagcatcgca naaagtgatc actcccgcga tgcaaactcg 120
caggccatgg atgcggatgc tgctggtgag accttggccg agggcattga aggtgancaa 180
gaaagagtca ttccccgatt actacgacct catgtctggt gttcctga 228

<210> 21282
<211> 276
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (3),(24),(110),(220),(244)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21282
ganaccagaa acagagcatc gcanaaagtg atcactcccg cgatgcaaac tcgcaggcca 60
tggatgcgga tgctgctggt gagaccttgg ccgagggcat tgaaggtgan caagaaagag 120
tcattccccg attactacga cctcatgtct ggtgttcctg atctccccga acaattgctg 180
tggaaggaag atgccgattg gcatgttctt gatgcctccn aagaagttcc gaggtatttg 240
cccnaggggg ctttttgttt catcccggat tacaac 276

<210> 21283
<211> 564
<212> DNA
<213> A.fumigatus

<400> 21283
caaagtactg tgcggcgtcg agaaagccct atctcccaag aggagacaca aatagctgtg 60
gagctcatct ttgcggttat caatgaacta tattcattgt catctgcatg gaacatcagg 120

agaacacttc tgaacgcggc caagtcgtat attttacgcc ctggaagccc aagtctagag 180
acgatccgct ctctcttaca ggagtctatg attgatgcta atatctcgga tgcatcaatc 240
gcatcctatc tcaccaagct ccgcgagaat gtcctgccga cgaaagagga gctggagtcc 300
tggcctcagc cgcccagtag cgtggaaaag gagcgtatga gggaaattgc gagaaaaaca 360
cttgtcctta aggggctacc acaggcactt acaagtgtca tgggggctgc tgctagtcgc 420
gaatcactcg agagggtgtt tgattgccta caggttgaga tgattgcgcg cggttttgtt 480
tattccattc ttttgcacgc tctgagagct ctgtcttaca ccgaccgggc tggaaggaca 540
cgagctcgtc gtaattcgtg gggc 564

<210> 21284
<211> 504
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (291),(306)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21284
tttcgggcgg atggttggga ggaatcgtta atggacagcc cgaacagatt cctacaaaat 60
ggaccccggg gtcctggtcc ccgttccgtt tattctggat actcggtcaa tcgcagcgac 120
cacacgctgt tggtcggcga gttcttccgc gaatctccaa agaaccccat cgttctggtg 180
aagtacccgt ggaacaccaa cagtggcaag ctcaagacca acgacaagag catcgtcacc 240
gccacatttg cacactgtgc ggatttcttg cgcatgcagg gcggcttctc ntacgacaac 300
actttntaca tctcacgcag caatggacgg tcacccaaag ccggagatat gttcaagtgg 360
aagcctggca aaccagcgga attgcggaat cgatggttca tggcgggaaa tgaggatctg 420
agctacaaca aggtgcgcaa ggagtattat actgtgagcg agtatgatgg ggagcgattc 480
attctggcct ataacaagat gtag 504

<210> 21285
<211> 444
<212> DNA
<213> A.fumigatus

<400> 21285
aagacgaccg tcgaccacat gaagggtctc ggtgcggatg tgatcttcgc cgttgacgtc 60
ggttctattg acgacaacac acctcaggtc tacggagact ccctctccgg attttggtcc 120
gtctttaacc gctggaaccc gttctcctcg tgcccctatc cacccacgct atccgaaatc 180
caggcacgcc tggcctacgt ctcgtctatt gacaacctgg aacgcgccaa gaatatcccg 240
ggctgtctgt acatgcgtcc ccctatagat ggatacagca cgctggagtt tggcaagttt 300
gatgagatct accaggtcgg atatgccttt ggcaagcaat tcctggagaa gctgaagtcc 360
gaagggtccc tcccccttgtc agaggagacc gaggagaata agaagctgct acgtacactc 420
gctccccgcc gagccagtat atga 444

<210> 21286
<211> 189
<212> DNA
<213> A.fumigatus

<400> 21286
tttctgttga gatattcaca tgaaatgaag aaggtacaga gcaagcttga cagcgtcgta 60
tgggtacgag gactcctatc gtttgaagac catgaaagct tgccgatcac gatggccttc 120
ctctcagagt tcatccgagt cgccggcatg ctacccttg ctgcccttcg cccgtactgc 180
cctcaatga 189

<210> 21287
<211> 219
<212> DNA
<213> A.fumigatus

<400> 21287
gtttacagcc atttcaacgg cctctccaac acactcagcc ccccaaagag ggctgtcacg 60
cctgtaaata caatcagccc tccatatccg ctgccgtacc cgtaccccgc gctccacttc 120
tccccgcca tcaaggcctc acttaacggc ccactaagta cattcccgat cccccgtccc 180
gaacacaaga acccaaacac aatgcccgga tccgcatag 219

<210> 21288
<211> 324
<212> DNA
<213> A.fumigatus

<400> 21288
gcgtcgagtc tgaatatcgc tgtgcaggac gggccggagg cggggcagag tgtggcgcat 60
gtgcatgcgc acatcatccc gcggaaacgg gcggacctgg accatcgggg tgggatggat 120
gcggtgtatg atttgttgga tggggaggag ggggatctga ggcgggcgtt tgaggagggg 180
aaggaggggg aaaggcggcc gagggcgaag ttccctgctg ttgataatga ggggcggtcg 240
ccgaggagta tggaggagat ggaggctgag gcagagatgt tggcgaggga gatggagagg 300
atggagaggg aggttgtggg gtga 324

<210> 21289
<211> 399
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (5),(6),(8),(17),(135),(153),(356),(362)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21289
ttcgnntntg accttcnaac tgggaggccg gtgagaccaa gtaggtggca ttcgacgaga 60
actccccagg gtgcttgggc gcccgcaaag ggcgacgagc tgcccaagga ccagtttggt 120
gggtactctt gcacntgggg tgagttcgac ttngacagca aaatcaacca cggctggtct 180
ggctgggacg tgtccgccat tcaggccgag aatgcccacc atgaggtcca gggtatgaag 240
atctgcaatc acgccggcga gctttgctcc atcatctccc acggtctttc caaggtcatt 300
gacgcctaca ctgctgatct ggccggtgtc gatggcattg gtggcaaggt cgtccntggc 360
cntacccgtt tggtcgtcaa cctcgactac aaggagtag 399

<210> 21290
<211> 816
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (409)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21290
ctgtgtctgt taaccgcact tgaacgggaa agaaaccaat cctccaagat gggcttgcga 60
ctgcgacctc caaagcagag ccaaagggta ctccccgtga agcctcccaa gggacatttc 120

ttctttgcgg gccgagagtt cgctcgcctg ccctggtgga agcgacgaaa catgcgcacc 180
ctctacattt tcatcgtcat cctgattctc accaatacgg caaatggctt cgatggctcg 240
atgatgaacg gactccagac gctgtcctat tggcagaatt acttcaatca tccccgcggc 300
tccatcctcg gtctcttcaa tgcctctatg agtctcgggt ccttgatagg tctctttatc 360
gtcccatacc tgatcgactg ggcaggtcga aagatcgggt tggccatang gtgcgtgatc 420
atgctgctcg cggtcgctct gcagtccggt gccacaaatt tcggcatgtt tgtcgcggct 480
cggattattc tccgttttgg agattgtatc gttctgggaa atgcgcctct cttgattggt 540
gagattggtc ctccccagga tcgggctatc ctcctcaccc tccgcggaac cccgtatcac 600
tcccggggca ttcataccca actgggttac cccttggtta ccctcccaat caaagttaat 660
tttccggaat tgtttgcctc cctgggatcc cattggctat gccaaattgg tcttaaaaac 720
aaatggttct tgggaattgc ccactttctt gcaacccctc ttcccccgta ttctttattg 780
ccggcctctg gtggaatccc caaaaatccc cttggc 816

<210> 21291
<211> 210
<212> DNA
<213> A.fumigatus

<400> 21291
tttgtccatt tgtgtagtgg tggcgttcac atctaccaaa acttcctagg atacttgcag 60
gctctcggct ataagcattg gattaagatc tttactagta aacaaacaaa gattcacgca 120
aacataggac tctctggcca tttcatatca cgccattcag aagctagcgc tgggaactca 180
attctaaggt tcatggctag gtacatatag 210

<210> 21292
<211> 210
<212> DNA
<213> A.fumigatus

<400> 21292
tcatccgctg tcatagaacg tttatttgt tgcttttctg catatttcct tcacttaccc 60
tctttcttcc cctctttatt catctttttt tcctcccttt ttattttctt acatcctctt 120
tttattccct tcatttatgt ttctctgtat ttcctccaac ctgcttctta ctccattccc 180
cttccatttc ttacctatct ttttttcttc 210

<210> 21293
<211> 408
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (339)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21293
aagatgtgga ggtcattacg gctactgttg atatcgaaga agtccgtcac ccagtatgtt 60
cttacacttg tttctggtac tgatgaccgg caggttcgga cctatcgcgc tagctctagc 120
cgtaacatgc aggctaccaa acaacctccg tttgttcggc ttgatctcga cgtacggctt 180
tcccgtctgg acgatgatgc cgagcccggc cttgtcccgt cggaaccgat ctcagcaaag 240
taccacgctc cagaagaaga gatttccctc ggcccagctt gttggctttg ggattatctg 300
cgaaaaaacg gcgctgctgg ctttttcctt ccccccttanc gggaggtatt gacagctgcg 360
ctacagctta ttatcgtaca ctctatgttg cgagaaattg tcaaggca 408

<210> 21294
<211> 204

<212> DNA
<213> A.fumigatus

<400> 21294
ctggtaaatc ccattacatg gtatggcgac acaatcactt tctcacataa cgatccaggc 60
gtcgagatta tctcaaattc gtcaggaagc catcatgagc tgaagaagct tgacactcgc 120
gtgaatctga ttacccaggc gactaagctg gtaagcatat tgctcgtttg ccttctggtt 180
tcgcgaactg atacactggt atag 204

<210> 21295
<211> 207
<212> DNA
<213> A.fumigatus

<400> 21295
agcggaggca tctacctcta tgccaaccag cagggttgcg atggtgatag gctctactat 60
gatggctgtg caatgattgt catcaacggg aatattgtcg cccagggttc ccaattctcc 120
ttgaaagatg tggaggtcat tacggctact gttgatatcg aagaagtccg tcacccagta 180
tgttcttaca cttgtttctg gtactga 207

<210> 21296
<211> 279
<212> DNA
<213> A.fumigatus

<400> 21296
cgtcctattc ttttctccca taggcttcag aatctcagcc ccgacgaaag tttagtctac 60
aatgtcatcc actcgacagg acgcaacggc atctgggtcc gtgcgatcca gagtcggacc 120
aacttacaca aatctattct agaccgttgc ctcaaatctc tggaagggaa gagttacatc 180
aagagtgtcc acaatgtcaa gtttccgagt cggaagatgt atatgctggc cggcctcgct 240
ccgagtgagg ccggtcttca ccacggggct ggaagatat 279

<210> 21297
<211> 558
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (44)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21297
gcgcgtgtcc ttccagcccc gtgggtgaag acgatcttca taangaagaa agagtcgcac 60
gactcgggtt tctcagatcg tggtcccgct cagttttcct ctcccgatca tactcccacc 120
cagcttcagc actccccatc gactcccagg atgtcgacgt taggaaaggc ctcgagcgcc 180
atggtctatg gtatcgtcca gtatgacttc caagcagagc gaccggatga actcgacgcg 240
aaagcagggg aagcgatcat tgtcatcgcc cagtccaacc cggagtggtt cgtcgcaaag 300
cccatcggtc gtctaggtgg ccccgggttg atccccgtct cattcatcga acttcgggac 360
atgcaaaccg gtcaagcggt atccgatcct ttggaggcag tcaagcgcgc tggtgtacca 420
agggttgaag aatggaagaa aatgaccgcc gaatacaaga acagcagcat caccctcggc 480
aagattgact cggccgcgtc agcagtgcag tccgtgacct ctggagttga gaagatgtcc 540
atggggcgca acagcgcc 558

<210> 21298
<211> 195

<212> DNA
<213> A.fumigatus

<400> 21298
gcaggaaagt cttattcgtg gacttctgca gtcaacatcc tccttttgat cttctggcag 60
tccctgttcg atcataagga actagcttgt gccccctatt tcttcacctc tttgcgagtt 120
ttgttcctta cggctctgtg tctgacaatc gtggttggaa gattattggg tgagtcttct 180
tgttcctata tctag 195

<210> 21299
<211> 480
<212> DNA
<213> A.fumigatus

<400> 21299
aatcaaaaat ggcaagcatt gcattcccag agatcgccaa gctcaacttc ccatacatac 60
aactatgtct accacgcagc aactgcgtca caagcaacca tccttctcct gcacgggttc 120
ccgtcttcct gctatgactg gcgtcaccag atccatcact tcatcaatct aagatatgga 180
gtcctggcac cagatctact ggggtacggc ggcacctcca aacccaccgc ggtagaggag 240
tacaagctca agagtatggc gagggagatc atagaattac tggagcatga aggtttaaga 300
cagattcatg ccgtggcgca cgacactgga tgtaatcttc tttcaaggct cgcagattat 360
tacccggacc gtctgctgtc atgcacgttc atcgctgtac cctactctaa gccgggggag 420
cattttgact tggacatggt aaacaagttc acaaaacagt tgttgggatt tgagaaatgt 480

<210> 21300
<211> 294
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (182)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21300
agagacgaat caaacacaca aacacgcgat gaaattgtca accgagtcgg tcgaaaagct 60
tggattcacg tggcagagtt gtcgaaacga gaggaggtca agagtatcat tccagcagtc 120
acaagccaag gactgaagcc cgagattctc ttcaactgtg ctggcattca aaggagacac 180
cntagtgaga agtttcctga cgaggattgg gacgaggtgt gtcaggccat cccctggttc 240
ttaattcttc agaagctgat tgcggctacg aatttcctta ggttattgaa gtaa 294

<210> 21301
<211> 495
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (450),(487),(488)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21301
gttattgaag taaacttgac ctcggtgttt accctgtgcc gcgaatttgg agcctaccta 60
ctggctcggg atgcgtccga ctttccttcc ggccgccgtg gttccatcat caacgttgca 120
tcgcttcttt cgttccaggg tggcatcacc gttccggcat atgcagcttc gaaaggcggc 180
attgcacaat taaccaaggc cctgtccaac gagtgggcca gcaagggtat caatgtgaac 240

gccattgccc ctgggtacat tgacacggac atgaacgttg ccctgatcaa tgatgccaat 300
cggaacgctg gcatcatggc tagaatccca gccggccgat gggggaagcc ggatgatttt 360
aagggtgtta ttgtgttctt ggcgagtgaa gcaagcaact atgtttcagg ggaagtggtc 420
tctgtcgatg gaggttggat ggaccaggtn ttacacgaca gggattggct ggaaatgcgc 480
ttcggcnncg cctag 495

<210> 21302
<211> 582
<212> DNA
<213> A.fumigatus

<400> 21302
ttagtcgact gctgtacctt cgtggtgaag acagaacttc aggcactatg tgagagctgt 60
ggcttgacgc tttctacggc gtttagtacg gcttggggac ttacgctccg ctcgttttgc 120
ggttccaacg aagtctgctt cagctacatg gcttctttgc gggatgtctc ggttgatgaa 180
attggttcgg ttgtcggacc ggtcattaat cttctggctt gtcgaatgaa ggtcacagag 240
gatgtctgtc ttgaagacgt cctgcatcaa gtgcaaaacg attacatgga aagtctgcct 300
tacagacaca cttccctcat cgatatacag catgccctga aactctcaga caccattttg 360
ctcaactcag gcatctccta ccggaaactt cccccgaaga ccctcagcaa cagggatgag 420
atgcgacttg tggaggtggg aaaaatccat gatcccgcgg aattcccggt gtatgtcaac 480
atcgaggcca cggatgatgt tgcatacatc gacctcaact actggacgac ctctctgtct 540
gaaggccagg cacagaatgt tgccagcacc tttttacagt cc 582

<210> 21303
<211> 204
<212> DNA
<213> A.fumigatus

<400> 21303
catggactcg gaccaccgga agaaaaaacc gccctgaatc gcaccgtcgg ccagggccgt 60
gtgagcaaga cccagctggc gacagccgtc cgcaagcatt tcaacagcgc tgcgctggcg 120
gagcaggaag ctatcgctcg ctttctatac aaggtccgag aagagggcag ggggcgacag 180
ttccggttaa ggttccagcc ttag 204

<210> 21304
<211> 582
<212> DNA
<213> A.fumigatus

<400> 21304
attcccctcg gtgaaaacat ccatgtcaag gccaacatta ccgtctccga cggtacgtac 60
attggcttca tcatcttgat gttcatcggt gccctgcttg ctctctgcct ctgcaacgct 120
agcgacatta tccgacccga cggcagccgc gtcatcttga tgaagcatcc tagctggcaa 180
tcggagctgc tgggcctttg ggaaaccctt cgatttgagc cattcgtggt tctgcttttc 240
cccatgttct tctcctcgaa ctggttctac gtctaccagc agaactccgt taatggtgct 300
cacttcggta cccgcaccaa ggctcttaac agtcttctgt acttcctcgc tcagatcctt 360
gcggctgtca tctggggata cctgctcgat atcaagaggg ttcgccgttc cgtccgagcg 420
aagattacct gggtcgttct cttcgtcctc acctttgcca tctggggcgg tggatacgcc 480
tatgagaaga cctacacccg cgaaagcgtc aatcccaagc tcaacccaga ttttgtccca 540
actgactggg tcttcgccgg aaggtacgag gagcgatcat gc 582

<210> 21305
<211> 192
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (181)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21305
gacaggacat cagagctagc tccatggtgc agagatggcc acgaggactc acttgttagc 60
agtatgaccg taaatgcgta taatatggcc ggagacgtca tgaaggagta cgccaacgca 120
aagtgctgga cgaaggaaac catgccgagc actaatgctg caagtaccag gcgcgccct 180
ntttactact ag 192

<210> 21306
<211> 558
<212> DNA
<213> A.fumigatus

<400> 21306
acgcgtttct tcatcccggc gtgcagactt atcggcacat gtccggaatt cgacgccctc 60
gacacagaaa aggccattga ggccgcctct gctgcttttc ccaagttccg cacaaccctt 120
gcgcgcgagc gtgcccgcat gttgcgacga tggtaccaat tgatgatgga caacgctgaa 180
gacctagcaa cattgattac atgggagaac gggaagcccc tagctgatgc caagggcgag 240
gtgaattacg cagccagctt cttcgaatgg ttcagtgagg aagcacctcg gatttacggc 300
gacacaatcc ccgcctcagt tcccggcaac cgagtcatga cgttgaagca acccgttggc 360
gtctgcggct tgataacgcc gtggaatttc cccgctgcta tgatcacaag aaaggttgga 420
ccggctctgg cggcgggttg cacggttgtc tgcaagactc ctggcgaaac acctttcaca 480
gcgaacgcca ttgcggagct ggctcatcgt gctggtattc ccaaaggagt tgtcaacatg 540
gtgacttcac tcaaaaac 558

<210> 21307
<211> 231
<212> DNA
<213> A.fumigatus

<400> 21307
agtcaccatg ttgacaactc ctttgggaat accagcacga tgagccagct ccgcaatggc 60
gttcgctgtg aaaggtgttt cgccaggagt cttgcagaca accgtgcaac ccgccgccag 120
agccggtcca acctttcttg tgatcatagc agcggggaaa ttccacggcg ttatcaagcc 180
gcagacgcca acgggttgct tcaacgtcat gactcggttg ccgggaactg a 231

<210> 21308
<211> 516
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (73),(180),(516)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21308
gacagcaacc tggggcaccg tcacggtgta agacgagtag gtgatggtgg tgcaggggc 60
ggaggggcg ganggagcgg gagtgacggc cgcaccaccg gtcagcgtgg cagtggcagt 120
ggcagcaccg gtaggagcgg tgactgcatc gacgccggtg ggggtgacgg tggggaccan 180
ggtgatggtg gtcgggatgc cggtcacgat gccggggttc tggggtacgt aggcagcgca 240
gataccagtg aagtaggaca gagcggcctg gacctccgcc tgcgaggctc cccaggactg 300
cacacaagcg atgaccttgt cagtgaactc ggaggatggg cagaagcagc tggcgtcact 360

gttggagtcg cacttgggga gcaggctgag ccaggtgttg atacacttgg gcacaacgtt 420
ggggcacggg gccgaaggga cagacgaagg agtggtggtc acggatggca cgtcgctggt 480
ctcgctggcg gtgacagggg actggcctgt gggaan 516

<210> 21309
<211> 558
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1),(337),(444)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21309
nttcccacag gccagtcccc tgtcaccgcc agcgagacca gcgacgtgcc atccgtgacc 60
accactcctt cgtctgtccc ttcggccccg tgccccaacg ttgtgcccaa gtgtatcaac 120
acctggctca gcctgctccc caagtgcgac tccaacagtg acgccagctg cttctgccca 180
tcctccgagt tcactgacaa ggtcatcgct tgtgtgcagt cctggggagc ctcgcaggcg 240
gaggtccagg ccgctctgtc ctacttcact ggtatctgcg ctgcctacgt accccagaac 300
cccggcatcg tgaccggcat cccgaccacc atcaccntgg tccccaccgt cacccccacc 360
ggcgtcgatg cagtcaccgc tcctaccggt gctgccactg ccactgccac gctgaccggt 420
ggtgcggccg tcactcccgc tccntccgcc ccctccgccc cctgcaccac catcacctac 480
tcgtcttaca ccgtgacggt gccccaggtt gctgtcttac accgacgggg ctgccaggac 540
acgcgcttaa tggggaag 558

<210> 21310
<211> 360
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (140),(247)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21310
caaggtcatc gcttgtgtgc agtcctgggg agcctcgcag gcggaggtcc aggccgctct 60
gtcctacttc actggtatct gcgctgccta cgtaccccag aaccccggca tcgtgaccgg 120
catcccgacc accatcaccn tggtccccac cgtcaccccc accggcgtcg atgcagtcac 180
cgctcctacc ggtgctgcca ctgccactgc cacgctgacc ggtggtgcgg ccgtcactcc 240
cgctccntcc gccccctccg cccctgcac caccatcacc tactcgtctt acaccgtgac 300
ggtgccccag gttgctgtct tacaccgacg gggctgccag gacacgcgct taatggggaa 360

<210> 21311
<211> 522
<212> DNA
<213> A.fumigatus

<400> 21311
tatggcgaga ttgtcgatat acgcttccca tctctcaagt acaacaccca tcgacgattc 60
tgttacgtgc agttcaaatc ctctggggat gcccataacg cgaccaggct caatggcacc 120
cgggttggaa gcgacctcag cctggtagtc aagatctccg atccgacgcg tagagaggac 180
cgtcatggac ctgtttacga agggcgggag attcacatct ccaacattga ctggaaagcc 240
aatgaggatg atctcaagga agtgtttcaa aagtacggca ctatcgagac ggtgcggatt 300
ccaagaaagg tcgatggtgg cagtaaaggg tttggctata ttgtcttctc cactaaggta 360

tgtcttgtgg ccatccggct actgagtttt atgactgatc tctcgcatag gaggaggcag 420
aaaccgccct tgctatgcat gaacaggaat tccgctcgcg gccgctacag gtacgaatct 480
cgacccccca aggtgccaaa cgaactgcaa ccactatcgt ga 522

<210> 21312
<211> 837
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (54),(745)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21312
gcgattagaa gcgagatatt gtccagtccc ggtcgtgtaa gactactcgc cacncggagg 60
aaaagcgaac ctcctactca tcacaaactc aacgaagagg ctctaaacac atgggtctac 120
cccactaatt tggggaagac aagagattac caattcaaca tcgcacagcg aggtcttttc 180
cataatctgc tggttgcgct tcctactggt cttggaaaaa cgttcatcgc tgcgaccatt 240
atgctcaatt ggtatcgatg gacaaagagt gctcaaatca tcttcgtagc accgacaaag 300
cccctggtag ctcagcagat ttctgcttgc tttcaggtgg ccggcatccc gcgatcagag 360
acgaccatgc tgacaggtga agctgcacca ggcattcgcg cggaggaatg gaaaagcaaa 420
cgtgttttct tcatgacccc tcaaaccctc gtcaatgatc tcaagtcagg aatagccgac 480
ccgaaacgta tcgtcctgct cgttgttgac gaagctcatc gtgctactgg cggctatgca 540
tacgtggaag tggtcaagtt cctcaagcgg tattacaaga gcttccgggt cctcgccctt 600
actgcaactc caggttccac tgtggaatcg gtgcaagcca tcattgatga cctgggtatt 660
gccaaggtgg agattcgtca cgagcagtct cttgacatac gggagtatgt acatgctccc 720
gaacaccgaa gtgcaaacgt tccanaaatt ccgacgaaaa tggtgctgtg catgggaact 780
tttcaacaag gaccctgccc cccgcttgtt cgaacaactt cccgtaacct taaacgc 837

<210> 21313
<211> 552
<212> DNA
<213> A.fumigatus

<400> 21313
atatatgcgc tacttgctct ttgctgcggt gtttcgtcgt ccttggaatt ttccccccctg 60
tgccttctcc cagtgccact gacccagtat caggggttgg cagtattttt cttaatctct 120
cgcagttcga ttcccatccc cgaaaatatc ggatcgaagt tgagtcccgc gaattacaaa 180
gataccatct cacaatctga taaagcgcac aatgacgcgc caccaaaacc gccggtgaag 240
gagacaccgg gaagcgcgaa tactgcgcca gttggccgag tgaatgcgac attcgtcacg 300
ctggctcgca attccgatgt ctgggatatt gcgaaatcga tccggcaggt cgaggatcgc 360
ttcaaccgta attaccatta tgattgggtc tttctcaacg acaagccatt tgacgacact 420
tttaagaagg tcaccacatc cctggtgtct ggaaaaacat tctatggtga aattccaaag 480
gaacactggt cgtaccccga ttggattgat caagaaaaag gtcttcacca cggggctgga 540
aggaaccgcg ct 552

<210> 21314
<211> 531
<212> DNA
<213> A.fumigatus

<400> 21314
tatggcctgt ttggcgtgac gtgggccatt gcgggtgctc ttggccccat tatcggaggt 60
gcctttacga ctgctgtgac ctggcggtgg tgtttctacc tgaactgtac gtataatctc 120
gttgacctgt ggcggaatca agctgatttg ctcagtacct gtcggtggcg tctcgttcgc 180

aatcctcgtc ttcttcctca agctcgaatc cggtggcacg ccgctgttcg aaggcctccg 240
agctatcgat tggtccggca ctgttctcat catcggaggc acactcatgt tcctcttcgg 300
gctggagttc ggcggtatca actacccctg ggcctcggcc acagtcatct gcctgatcat 360
cttcggcgta gtggtctggg tcctagcgat gctgaacgag tggaaactcg ccaagtatcc 420
tctgattccc gtgcgacttt tcaaaaactg gcacaatcgt ctcgtcctta tcgtctgctt 480
ccgccaggcc ttgttttcac catcggcgga tggaccgatc aacgattaaa g 531

<210> 21315
<211> 426
<212> DNA
<213> A.fumigatus

<400> 21315
actgtacgta taatctcgtt gacctgtggc ggaatcaagc tgatttgctc agtacctgtc 60
ggtggcgtct cgttcgcaat cctcgtcttc ttcctcaagc tcgaatccgg tggcacgccg 120
ctgttcgaag gcctccgagc tatcgattgg tccggcactg ttctcatcat cggaggcaca 180
ctcatgttcc tcttcgggct ggagttcggc ggtatcaact acccctgggc ctcggccaca 240
gtcatctgcc tgatcatctt cggcgtagtg gtctgggtcc tagcgatgct gaacgagtgg 300
aaactcgcca agtatcctct gattcccgtg cgacttttca aaaactggca caatcgtctc 360
gtccttatcg tctgcttccg ccaggccttg ttttcaccat cggcggatgg accgatcaac 420
gattaa 426

<210> 21316
<211> 744
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (96),(154),(204)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21316
ggcggagtac ttctccaagt ttcagtaaga attgggccca accatggctt acctttttta 60
agcagccaac agaatttcag tatgtcatcc ccggangacc tgaccgagaa agcgcgcagt 120
gtctttgagg cagccaaatt ccgcccttgc caantaggcc agacatgtcc cgccatccag 180
ccaaaccgcc ccgcgccacg cccntacggc caattcaaca tcaagcagaa aggagaccca 240
cgaaagtggt tccgagtcga actccaccgg aagtccgaat tgttttggac cgcccccaac 300
atcccagcct gtactcctga cgcagaagat ccgcattaca tgcttgccaa ggacgccaga 360
ctgccggaga actcgccgcg agagctcctt gaccggatga accccaccga ttaccctgtc 420
aagatcccaa ccccgaacct gtacgctgag gcgctggcca tgctgtacta ccgcgatggg 480
gtgccggggc cgaccatccg gggagactac tggttggatc tgcagagtga gcttgtccag 540
acggggctag tgacgctgga tgagctccct gcgcgcatca agcggcacta tgagctggtg 600
cgtgatgcgg acatgaagga ggtgcacagg tacagcgagg aggttgcggg gcagatgagg 660
gagagattcg aggttcctgt gcgtatgctg ccgcttgata gggatgtgtt tgagccgggg 720
gcagcggcgg aggagtttct ttga 744

<210> 21317
<211> 276
<212> DNA
<213> A.fumigatus

<400> 21317
gcctgctttt tttgtcaata cagttcgctt actctcgcaa tgtcggatac caaacaacct 60
gttggagtgc agacttcttc tgcggttcct gacgccgtca cgtctccata cttcgagcct 120
cctaagtaca acgacccagt tactgtcaac aagaatactg gggaggatga ctctggttct 180

gaagccgttg cagatcgtat cgatacgcag aagaagggat tttgggcgta cttgtcttct 240
accacagggg ggcgcaggca ccgcgctaag agtatc 276

<210> 21318
<211> 291
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (13)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21318
cccctccacg tcntacatct gccctcgaca tgtctatccc caacgaagct ctccagaagg 60
tacgagttgg ctgcaggcgt atttctccac aattttgcct ccctaacact ggttttacag 120
ttgcttcaag agattgaagc tcgagcgatc agctcgcagc agcagatcgg cgtcaccaag 180
gcgcaaatca ccgcaaagca gaagaatgtc cgcctgctcg aattgacatc aaaagaaatt 240
ggatcgttat ctaaagacac aaaggtctac gagggagttg ggaaaatgtg a 291

<210> 21319
<211> 969
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222>
(100),(938),(939),(940),(941),(942),(943),(944),(945),(946),(947),(948),(949),(
950),(951),(952),(953),(954),(955),(956),(957),(958),(959),(960),(961),(962)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21319
tctgaattac ccccgtattt ttggaagccg tcgtggcctt tttcaggtta cttcacgtac 60
aaagaccggg cgtttcgcaa gccgaagagg tccggctccn tacaagaccc atctcccgat 120
gccagcgaga tagaggccga aatcgttcat gctgctgggt cgctggagca acctttgggt 180
gtttacaaac tgaactctat gcttgactca atgttcaata gtattgggag tacttgcgct 240
cgattccaag ctatcactat tgtaactagc atactgctcg ttggccttct aagtctgggt 300
tggctccggt tcgctgtcga gacagatcct gtacgcctct gggtgagccc tacatcgccg 360
gcagcacaag aaaaggagta ttttgatgcc aattttggac ccttttaccg agcggagcaa 420
gtatttgttg tcaacgaaca tggtccggtg ctgacctatg acaccctcag ctggtggttt 480
gatgttgaat ctcaaattcg tcgaatgatc tctccgggtc gcggcttact acttgacgac 540
gtctgcttta aacccactgg cgacgcgtgt gtggttcagt cgttaacggg ctatttcggg 600
ggctcaggat ggaacctcca cccggacaca tgggaagagc ggattaagca ctgtgccaac 660
tctcctggtg accccagctg tctccctgac tttcaacagc ctcttaaacc tgaaatgata 720
ctgggtggtt acgaaaagtc cggcaacgtc ctccacgcgc aagcgttgat taccacgtgg 780
gttctgaaca atcacgccca aggtacggag ggtgaggccg atgctattga ctgggagaac 840
aatctcaaac agttgttata caacgttcaa gaagatgcga aagaacgtgg tcttcgtgtg 900
tcattcatca ctgaagtcag cctggagcag ggtcttcnnn nnnnnnnnnn nnnnnnnnnn 960
nngggcaca 969

<210> 21320
<211> 837
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (61),(166),(302),(443),(829),(837)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21320
gggaagggaa ccttggttgg tagacctgga acgctcaaac ttaagtcaat tcccatcctg 60
nttgaccttc gatgcggggg gggatcaatt tcacgaccca aatttgttct ggagcgtgga 120
ctgatttctg gtcgcgcaga taccaaagag agacccttta aatgtntgaa atgccggagg 180
acattcgttc gtcgagatct tctcttccgc catgatcgta ctgttcacgc caaagatggg 240
gggatacctc ttgttgctga gggacggcgt cgtggaggcg caggtgttca gaagtcctcc 300
cntgcacctg ctccatccaa accctcgatc acaattgatc ctactacatt agaacagctt 360
gaggcaagca gtgacggtat ggtcgacctt gaagccgcag ccatgttgat gacagatttc 420
caacataagg ccgcagccgc cgntactggt caggtccacg atcgtgccga atccgaccgc 480
tctttttcgc ccggtcgggg atcgttaatg gaaccttcct ccgcatatct gtcgggcaac 540
gcgactcttc ctcaaatgcc ctgggataca ttggtttctc ctgccgacat gaagcaccat 600
atgatgaacc ctacattcgt cagccaaggc aatgcatcgg acttgcgtca gctgccaaac 660
gtactggatc gaggcgacac tctggcgcct tcgctccact cccttgtcag ctcgcttccg 720
atgtccggaa attccacacc taacgcgctc tcaccgttcc cctcaatgac aggccctgtc 780
agtcccgtaa acgtcttcac cacggggctc gaaggaaacg cgctacccnc cgggaan 837

<210> 21321
<211> 423
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (158),(292)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21321
ttgacaacga ctttcacggc ccccgccagt tgcgttactg ctacggggaa ctatctgatt 60
ggacttaaca cgacagttcc tgtctgggaa tatgcggtgc agtgctccac gctgggatac 120
accggctgca tccccacggg gaccgcatcc ctcccganta ctctcaatga caacccgaat 180
acaattgcga ctcaggtata tttctcccct ggtctgtact gccctgctgg atgggctacg 240
aggggtgtcg cggtccgcga tgccaacaat ggcctcagcg catcgggcat cntaagtgcc 300
cgtcccactc ccactcccac agtttcgatc ccaactgcgg ccccccagtg ggaaaacccg 360
gcgacgctgt tgatgggtct cttggacccg agtgagactc ttgtgatgtg ttgcccagag 420
taa 423

<210> 21322
<211> 213
<212> DNA
<213> A.fumigatus

<400> 21322
cagcctaacc attttacaga cgatgacgat gatgaccacg acaacctcga acccatctcc 60
gaagcaaaca tcatttcggg aggtcgtcgg acacgaggca agaccatcga cttccaggag 120
gctgccgaga agctgaaggc cgaggatgag atggacgatg aggacgacga cgatgaggaa 180
ttccaaccta acgacgagga catgcgcgat tga 213

<210> 21323
<211> 486
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (407),(415)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21323
attcatagcg cggattcgtc gacccccctgt ggtcgaatac acaaaggcat tcggaccact 60
gcggcggact acatcaccaa ggaataccat cgcaacaatg tgacgatcca gacagacacc 120
accgttgacc gcgtcgtgct ggaacagggt cctgatgggc ttcgagccac cagcgtcatc 180
acccagctgg cagatgggac accgcgcaca tttcacgcgc gaaaggaaat catcgtctcg 240
ggcggcgcat actgcagtcc ggccatcctc atgcgctcgg gaatcggcgc tcgcgcggaa 300
ttggatcagc acggcatccc ctgccaagtc gatctccccg gcgtgggtaa gaacctcctg 360
gaccacctcg taagtcccag cccatttccc ccccccccccc cccattnttt ttgtnttttt 420
ttatccctct atatcccttt cctccttatc ctttctcttt ctttttcgac tcctcacacc 480
ttctag 486

<210> 21324
<211> 240
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (57),(65)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21324
gaacctcctg gaccacctcg taagtcccag cccatttccc ccccccccccc cccattnttt 60
ttgtnttttt ttatccctct atatcccttt cctccttatc ctttctcttt ctttttcgac 120
tcctcacacc ttctagggtc cacttaccct atctctctgc tctctcccgc taccttgtct 180
ttctctcccc tttcccttct tttctctctg ttcccatctc taccttcccg tcgttctccc 240

<210> 21325
<211> 183
<212> DNA
<213> A.fumigatus

<400> 21325
cgacggtcaa agagacgcgc tgccacgcgg gaaatgcttg agtcagatct gtatgcccaa 60
caggctacat acaatgccaa tggtgaatcg aggatccgtt ggacgcccac tacacttaga 120
tcggatcccc ttgcttgctc tttgaggttc gccgcagcaa tcaagttgtc agcaagacgc 180
tca 183

<210> 21326
<211> 366
<212> DNA
<213> A.fumigatus

<400> 21326
ctttgttgct gtccatatca accagacatg ggttatccac ggcaccgtat gtttccattg 60
accagagaga atgctgtgtc taatgtcgac gtccagggca actttctgac atggcaccgt 120
tacttcacct gggcctatga gcaagccctc cgcaacgaat gcggttacac gggctaccag 180
ccatactggg cctggaacaa gtatgccgat gacccgcgca actctcccat atttgatggc 240
tcggattaca gtatgtccgg cgacggatca tacattccgc acgacggttc cgaggctgct 300
cccggtattg tcctaactcc tggaaacgga ggtggctgtg tcttctccgg cccgttcaaa 360

aagtaa 366

<210> 21327
<211> 192
<212> DNA
<213> A.fumigatus

<400> 21327
cgctggatgt gcaggggctc tctctcgaaa cgcgaacgca aagagtacac cgacgcagtg 60
ctgtgtctcg cttctaagcc ttcgaaactg gatccggcat ttgctcctgg cgcgcgctct 120
cgctacgatg actttgttgc tgtccatatc aaccagacat gggttatcca cggcaccgta 180
tgtttccatt ga 192

<210> 21328
<211> 900
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (278),(868),(890),(892)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21328
agggacagaa acaaccccca aagggagctg tttcagacag tttctttgag aacctggata 60
agaatctcgg gattaatggt taaccacggc tttcggactg gggcagaagc attaaacatc 120
cattacaacc tatggggatt ctttggtgat cggtttctca ccagtaacgt cgacgtagaa 180
gaagataaaa aacttaaatc aattggcaat cgatatcgcg cttttcagac cagaaacggg 240
ttacggattg tggcctttgg agtcactgtc aatgaccnta tcctcaggga tctaaaccat 300
accgaggttc acaatgcgag ctggatattt gaacaggaat ggtttgcgga agccatgaag 360
aaagaggctg acatctacgt gattgttggt catatcccta cctacgcttc ctgcctggat 420
cctacaaagg ataatcctat ggtgtgtctg cgcgatagga tcaggaattc cacagataag 480
cccatccagc tcttcggggg ccacgcccat catcgaaact tcacgtgtta tgacgacaga 540
tcctcgggta ttgattctgg caagtattgc gataccgtgg gatgggtggc cttgaacaac 600
gtgttgtcgc ctacgtggtc tggtacgaag gagctgctgg gtgacgatct ccatccgaac 660
aaatcctgcg ccgtaggaag acaaggagat acacacgacg ccccttatct tctagatcgc 720
cgatacctgg actggaaccg tgtaacattt gcgtaccata cggtaaacct ggaaggaaac 780
accgacaacc cgtccgtgcc agcatccttt gatatgcccc tgggccgcaa ggtcaccgat 840
gctatcagca aagcccgatc tacacgcngg ggctggaagg taccgcgctn cncaaaaatt 900

<210> 21329
<211> 621
<212> DNA
<213> A.fumigatus

<400> 21329
atggccgtca gacccggggt gctgagcatt ccgctggaga cctggggtcc cgcggattat 60
ttttcaggca acagcaaaga accacaaaga gacgccgaga agcttccccc attgccgcgg 120
gacacaatcg gctgcgctgc accggacgat actggcatct ggagcatgac agtccacttt 180
ggctgggtct ggagcaaagt gcgcacttat gtgtccgact gcgcaaacaa tcgagtacgc 240
gagccctggc gtcacgagtc aatgtattcg atggtccttt ccgacctgac cgaaatcgag 300
aaccaaacgc cactctgcca tcgatacgac catgtacgat tctacgatcg acagccggac 360
gaactgatcg tcaaccgcgc gtactggatc ccctggctca aactgcagtt catgtaccat 420
gccatcctca ccgtcctcaa ccatcccttc ctgtatatca tggcctcgcg gcataacccc 480
aacctggcca ttccgaatag tttctggcgc cgctcgtcgg aactggtcct tctacatgcg 540
acgtggatcg tgcgtatgat tgatatgcta tcagacaagg acggttttca ccacgggggg 600

cggccatccg cgctaagtaa g 621

<210> 21330
<211> 288
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222>
(255),(256),(257),(258),(259),(260),(261),(262),(263),(264),(265),(266),(267),(268),(269),(270),(271),(272),(273),(274),(275),(276),(277),(278),(279)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21330
tcgccaacag gggcaagcac tcgatcaccg ttcccgatgt ccctgccggc gagtacctgc 60
tccgtcctga gatcatcgcc ctgcacgagg gtaaccgcca gggtggcgcc caattctaca 120
tggagtgtgt ccaggtcaag gtcacctctg ccggcaccaa gaccctccct gccggtgttt 180
ccattcccgg tgcctacaag gccaccgacc caggtgttct cttcgacatg tacaactcct 240
tcaccagcgt cttcnnnnnn nnnnnnnnnn nnnnnnnnng ggcgttat 288

<210> 21331
<211> 900
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222>
(157),(182),(868),(869),(870),(871),(872),(873),(874),(875),(876),(877),(878),(879),(880),(881),(882),(883),(884),(885),(886),(887),(888),(889),(890),(891),(892)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21331
atgctatggt caccactccg tacttcggcc tcttacccac cgttgttatt tagccttctt 60
cccccgtttc ttcatgttct cttcaacgcc tggattgttc agcatccatt tctccatcgg 120
ttttcattcc ttctcctctc tcagtttgtc atgcatntca gtcattcctt acaattcaag 180
cngtctttca aaatgaagtc gaccttcgga ttgctcgctc tggcagcagc agctaagctc 240
gtcagcgccc acgcgactgt ccacgccgtc tggatcaacg acgtggacca gggtgcggga 300
aactccgctg acggatacat tcgttctccc cccaacaaca gccccatcac cgatgtcacc 360
tcgaccgaca tgacttgcaa cgtcaacggc aagaaccccg ttgctaagac cctctccgtc 420
aaggccggcg acaaggttac cttcgagtgg caccacgaca ctcgctctga ctccgacgac 480
atcatcgctt cctcccacat gggtcccgtg atggtctaca tggctcccac cgagaaggga 540
acagctggca acggctgggt caagatcgct gaggagggct actcgaacgg caaatgggcg 600
gttgcaaacc tgatcgccaa caggggcaag cactcgatca ccgttcccga tgtccctgcc 660
ggcgagtacc tgctccgtcc tgagatcatc gccctgcacg agggtaaccg ccagggtggc 720
gcccaattct acatggagtg tgtccaggtc aaggtcacct ctgccggcac caagaccctc 780
cctgccggtg tttccattcc cggtgcctac aaggccaccg acccaggtgt tctcttcgac 840
atgtacaact ccttcaccag cgtcttcnnn nnnnnnnnnn nnnnnnnnnn nngggcgtta 900

<210> 21332
<211> 183
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (165)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21332
ttctccgagt ttaacagtat attctgcttt gaagaagttc tgacgaccca gccagtgcat 60
tgcctaggat gtagacatgt cttacactgt tggtgcatcg aaaagtggtt catgcgcttt 120
cacaatacct gtcctgtatg tcatagaact atttgttcag atganacagt cgacattgtt 180
tga 183

<210> 21333
<211> 210
<212> DNA
<213> A.fumigatus

<400> 21333
gattcgcgga ttgacctctt cccttatccc tgtatacgtc gggtacattt gatccacgtc 60
gactccgcag tccgcactat ttacaacgga ccttcccctc ccttccattt caccctttggt 120
ttgcagcacg ccattgcatc tgtcgatggg ttgagaattt caggaatgat atcattgtcg 180
gacgggtcaa aacactatat cctcgagtag 210

<210> 21334
<211> 465
<212> DNA
<213> A.fumigatus

<400> 21334
cggtatgtgc tcacacaatt tcgacaacaa ggcagtgaag gactagagga atatgctaac 60
gcaagcttag actatgcctc tcacgatgga accgctatcc gtgactacat ccacattctc 120
gatctcgccg acggccacct caaggccctc aactacctgc gtgccaacaa ccccggcgtc 180
cgcgcctgga acttgggtac cggcaagggc agcaccgtct atgagatgat tcgcgccttc 240
tccgctgccg ttggccgcga ccttccttat gaggttgccc cccgtcgtgc tggtgacgtt 300
ttcaacctca cctccaaccc tactcgcgcc aacaaagagc ttggctggaa ggcccagcgt 360
accctcgagc aggcctgcga ggacctctgg cgctggacca agaacaaccc ccaggggtac 420
cgtcaacagc gtctcacagc gggggcgagg ctcaacgcat ggtat 465

<210> 21335
<211> 291
<212> DNA
<213> A.fumigatus

<400> 21335
tcataccaac actcatttcc agacaagcaa ctcttccgac tcgatcaatc aatcatcaca 60
atgtatcaac ctcttcttct cctcccctctc ctcctcacct cggcctttgc caccccccat 120
gatcccacca cgcaccatgc tctcgagaag cgcgcctcct tccccatccc ctcctccaag 180
ggcatcgtga cctactcctc ccccaagaac atcagcggca ccttcgactg cggtctgaaa 240
aactaccgcc gtggcgtcaa atgcaccggc cacaaaagaa agctgttata a 291

<210> 21336
<211> 189
<212> DNA
<213> A.fumigatus

<400> 21336
tgctggatgg caaattacaa actcgccttc cccaacatca catccctcac aagcttcaat 60

gcctcctccg caaagacaac catgttccgc tcccgatcag tgccgcaccc cgtttccacc 120
tcgcgagtga acgtcccctg cggagttgac accgctaacg caacgtaccc tctgccagtc 180
gaccattag 189

<210> 21337
<211> 201
<212> DNA
<213> A.fumigatus

<400> 21337
aaccagcttt acacactgga atcgcgcatc gccttcgccg gctggaccca gtcgcatatc 60
gacagctacc aaggtcccac gccagatatc gtcgccgggc tcgcgcagca cgtccgcaat 120
accctgcagc cgacgtatac cgttgccgag agcgggacag cggggccgac gggtggtgcg 180
acgcggaatc ggactccgtg a 201

<210> 21338
<211> 204
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (13),(14),(15)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21338
gccggacatg ttnnngacat gctctttcaa ggcgttgtga agatctttct gcaggtccgt 60
tctgtccatc cccctgacaa tatcacactc cacactccta ctgttgcaac cgatgcgacg 120
gatgctagct ctcaagcggt tgctcactta ctcactctga ctttcctgtc catcatatca 180
tgcgacatca ctgtcctcaa atga 204

<210> 21339
<211> 558
<212> DNA
<213> A.fumigatus

<400> 21339
acctgtccag cagagtgcga ttacacttgt cgacatgtag taacagatcg ccgacttgcc 60
cgcgaccctc ccatgttgaa tccggtggta caatttcatg gaaagtggcc ttttcgcagg 120
atcctcggca tgcaggagcc attctctgtc ctgttatccc tcatcaatat tatcgctcac 180
tggaatggca tcggtcggat caaagaaaca gtcccagcat ggcattccct acggccatac 240
tatctgactt ttggttactg cgggctggcg tgctggacat tcagcatgtt attccacaca 300
agggatttcc ctctcacaga aaagttagac tatttcggag ctggtgctaa cgtgatgtac 360
gggctatacc ttgctataat caggatactg cgccttgacc aaggaaaacc tcggtacaag 420
ccgactctac gccgtctaac gaccacaatc tgcgttcttc tgtacaccat gcacgtttgc 480
tatatcagtt tttggtcatg ggagtacacc tatagtcttc taccacgagg agacaggcat 540
ccgcgcaaag gaggggag 558

<210> 21340
<211> 210
<212> DNA
<213> A.fumigatus

<400> 21340
accccgtcaa tgcagatacc aggaccttcc cgcagacgcc gcctacacct ggatctgggt 60
gcagcccaga acaatgagtc cgttctaata tcgagtaagt atcccactcg acgaaagtct 120

gcggtgtcta cttacgtagt tattgcccgt gcagcacgca gcattcgcat tgcagctacc 180
gctgacaaga ctggtgcctg ggcgcgttag 210

<210> 21341
<211> 222
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (54),(186),(202)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21341
gaccctggcc aggtcctgcg ccctcacgtc gagcaccgac acaatgtcaa gtcncaagcg 60
aagaaagggc atgatctcgg aatgatgggc gtgctgatcc atgtcttggg cgatgcagcg 120
aacaatctcg ggggttatat tgctgcgttg gtggtctgga aggcaaatat gaggggagat 180
actacnccga atctgctgtc ancatggcga atgcgatcgt ga 222

<210> 21342
<211> 288
<212> DNA
<213> A.fumigatus

<400> 21342
tcttgtgggc ttcattgtcg cgctggtggc gctcaaggta gcagagctcc ttcatgtctt 60
accgtggaga gtaagctaaa gagccagatc tcccaacgca gcaaacatcc taaagagctt 120
tctttcggct ggcagcgcgc acaactcttg ggcgcctttt tcaacggcgt cttcctcctg 180
tctctgggaa tcagcatctt tcttcaatcc atcgatcgct ttgtgtccct agagcgtacg 240
gtataccgtc ctggtggcgg caatgttact gacacatgca ggaattga 288

<210> 21343
<211> 261
<212> DNA
<213> A.fumigatus

<400> 21343
ccttcattac tagtctcgtg tgtacaaatc tatatcacag gcaagtcaac cgcctccccc 60
gtctccaagg ccctcctcac tccctcacaa accatcaacg ctcgtaaccc atcttcgcca 120
gaacacctcg gcggctccct cccggcaatc acctccacaa agtgcgccag ctgcaaatca 180
aacggcgcag ccttctggtc aacctcaaat ctctccacgg ccaactgctc cgtccaactc 240
ttctccgccc gcccatcgta a 261

<210> 21344
<211> 636
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1),(43),(103),(306)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21344
ntattaagcc ggaggcttat ttcgggcggc cggacggaat ggngtttgtc aattccttcc 60
gggggcgtga tccccattaa cttggtccat gacatggata cgntgcagta cttgtttggc 120

ccgatcaccc gcgtccatgc ggagaggacg ccacggcagc gagccaaccc gccgcacgaa 180
gtcgaagaag gcgcagccct gatcctgcgc ttcgcgtcgg gtgttgtcgg cacattcatc 240
gtttgtgatg ccacccccttc gccgcataac tttgagatgg gcacggggga gaacccgctt 300
atcctnggtc cacccggggc aagcgagggc ggtggtggag cggacttcta ccggatcttt 360
ggctccgaag cgtgtctaag tgtgccggat atgacgcggt ggagttacga tgggcgggcg 420
gagaagagtt ggacggagca gttggccgtg gagagatttg aggttgacca gaaggctgcg 480
ccgtttgatt tgcagctggc gcactttgtg gaggtgattg ccgggaggga gccgccgagg 540
tgttctggcg aagatgggtt acgagcgttg atggtttgtg agggagtgag gagggccttg 600
gagacggggg aggcggttga cttgcctgtg atatag 636

<210> 21345
<211> 441
<212> DNA
<213> A.fumigatus

<400> 21345
attccttcta ggatcatgca tctcttacaa tgtctacttt cgaccatttc tctcgcctcc 60
acagttacag cttttgttct ttattcattt aacctcgagg tctcgaccga agggcccccc 120
agcaatgatg tcgcccgccg tttcgtgcca tggaaattac tgctggacga ctcatacaac 180
aatcacgggt cctcttcaaa tggtgtctct ttaacgttgg acctcaaaaa attccctgtc 240
cgccgtgata acaaatacaa agttgtcctg gccgatgaac ctacaacacc caacactgcc 300
gctcttaacc aggagggcct cgattactct tactttgcta cggtcagggt cggctctcaa 360
ggccagcaga tgtggttggt tctggatacg gggggaccta atacttggtt ctttggctca 420
gactgcacgc ctgtttcctg a 441

<210> 21346
<211> 231
<212> DNA
<213> A.fumigatus

<400> 21346
aaggagtcag ccaggaggcg agggttcaac tcgggtcatc gcttaccctc cgggcatgtg 60
aacattttcc aggtcgcgat tgtgttgtcc ggcttcgatg acaaggattt tgatatcagg 120
attctccgca agacgggccg cgactacaca gccagagggt cctccactgc gaatggtgag 180
ttagagcccg cgaggggtat actggctgat gatatacgca cccacagatg a 231

<210> 21347
<211> 261
<212> DNA
<213> A.fumigatus

<400> 21347
accctcgcct cctggctgac tccttctaga tggtctaata atttcgactc agagactgac 60
tggaacttaa tcacaaagcc catgcctggg gtgcacaatc gccaggtgaa gctcagccgt 120
ggtcggtttc tcggcggttc tagtggatgc aatgggccac tgtgcatacg aggtgcccaa 180
caggattacg atgactggga actggaaggc tggagtggcg aggagttctt tgctgctatg 240
cgaaaggcat cctctggttg a 261

<210> 21348
<211> 534
<212> DNA
<213> A.fumigatus

<400> 21348
actttgtaca tttcggcgtt gggcacatct cgcgagctgg aagccggcca gttggccgcg 60
gagactgcga acgagagcaa gacgttgttc atcgccaata tctcacacga gctcaagact 120

ccgctgaatg gcatcttggg catgtgtaca gtgtgtatga gcgaagacga tcttccaagg 180
atcaagaagt cgttgcaggt cgtttacaag tcgggggatc ttttactgca tcttttgaac 240
gacttgttga cctttagtaa gaaccaaatc gatcaagcaa ttcggctaga agagcgggaa 300
ttcagattgt cagacatccg gtctcagctg gcggtcattt tccagaatca cgtgcaggag 360
aaacacatcg acttcaatgt caactttgtc agcgatgata ccctcccgcc acaggccgat 420
ggcttccacg aaaagacgtc cctaccggct gcccccgcgc ttgggccacc aggcactggc 480
cgattgaggg acatggtatt atggggtgat caacatcgca tccttcaggt gttg 534

<210> 21349
<211> 246
<212> DNA
<213> A.fumigatus

<400> 21349
tggcgcggct tcttgcagcc ccgtggtgaa gactccaggc cgatctattc acagctctca 60
tttattctct tcacgctcgc tcttgaagcc catacaggca agaactactc gcagatccta 120
gacgaaacca ttgatgagcc cttggatctc gtcaactccg gtgtatctcc gggagctacg 180
cagcgagcgg ctgtcccacc tggtttatca ggctggggtg ctgcagtcag cacgtttggc 240
aactag 246

<210> 21350
<211> 192
<212> DNA
<213> A.fumigatus

<400> 21350
aaaccagttg ttcgggaggg tccgcctcgg ccagaacctg gatcccccgc taagtcccca 60
gtcaaggccg gaggtggtag ccctaagaag ggtttccttg acgaaaaacc tcccaggttg 120
gagcttgcac tggacctacc ctccaacaat ccagtctccc agaaggggga taacctaagc 180
aactggctgt ga 192

<210> 21351
<211> 270
<212> DNA
<213> A.fumigatus

<400> 21351
tcctgccatc gcgtggtgaa gacagaggat gacttggttc tggccgagtt ctatgcgccc 60
tggtgcggcc actgcaaggc tctagctcct aaatatgaag aggctgctac tgagctcaag 120
gggaaaaata tccccttggt caaggtcgat tgcactgagg aagaggactt gtgcaaagaa 180
aacggcgtcg agggctatcc tactctcaag atcttccgcg gccctgattc cagtaagccc 240
taccagggag ctcgccaggc tgactcgtaa 270

<210> 21352
<211> 546
<212> DNA
<213> A.fumigatus

<400> 21352
accacgaccc gttctgacat gttgattcag gtgcaaggtc gagtggacat cacacgcacg 60
tttgacggcc gcgagctcaa caacgaatat atctttggac ttttctccga tccagaccac 120
cttagtctcg tgggcgtccc catcgcatac agcatcaccc agttcacagc caatgacgac 180
atcgcttcgg ccacgacagt cgtcaccttc aactcgacct ccttcaacat catcatcccc 240
gtaaccatcg acacctggat cgaatgggac gcgcagaaga agatcttgca gtacgatgcc 300
acattccggt ggttcgggcc tctcctcgac gcgctgctca aagcgcaagc cgcgaggatg 360
aataccaccg accctgtcgt ggtgcaggca gcgcttacgc agctgctggc agacacaatc 420

tgccagacac acgaggacca ctgcaaaggg gagtatcagc agtacgagag tcgggacgcc 480
tgcatggatt tcgtgccgaa caagagtctt caccagggag ccggaaggat ccgcgcattg 540
cgttag 546

<210> 21353
<211> 192
<212> DNA
<213> A.fumigatus

<400> 21353
cctagttctg cagcagtttt gcggggcatg ttacaccagt tagtactcag gcaaataagc 60
gagaatagtg agattggcgg aggagatgtt cctacttcaa gtaaacaggg cactggggat 120
ttgtatctcc cgcaaatcta tgaattctta ctatcatcta aactcttgaa cgctcattcc 180
ctgtctccta tc 192

<210> 21354
<211> 231
<212> DNA
<213> A.fumigatus

<400> 21354
acgctgatct ttcagcccgg tggtgaagat gcctctgcac ctcacctccg cgtgtccgcc 60
gcaaagaacc agggcgatag gtcctcaacg gatactcaac catcagcgag aattccaccc 120
ccggagcagt cggcggtcga agataaattc ttctggacct atacggaaga gcctcatcgg 180
tcgaggcggc aggcgatcat caaagctcat ccagaggtag gtatcctctg a 231

<210> 21355
<211> 183
<212> DNA
<213> A.fumigatus

<400> 21355
gggcaaggtc tatcgattct tctgaccaaa gaaatgatca atccgtttct gccgctgatc 60
aaaagtagca ctcccgaccc ccccttcgt acgccgaaga tctgccagat gtgctcgact 120
gtttactcca agtacctgca gcgaataccc acccagaacc ggcatttccg gaactcctac 180
taa 183

<210> 21356
<211> 693
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (580),(627),(629)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21356
aacgcaatcg cgttccttcc agcccggggt gaagacctgg acatggcaga ctatggagac 60
atcgacgcct ttgccaggcg gtgctgcgac ctagaccgca tcgactacgt tattctcaat 120
gctgcgatgc agagcagcat atttaaacgt cgtcataagg ctggtcacga attggtattt 180
caggtcgatt acctctccac tgccctcctg tgtatgctgc ttgcgtccgt gctgaaggac 240
cagtctcgtg tcggagcagt gaccaaaccg cctgttctta ccgttgtggg ctcggacacc 300
atgtacctca gcaagttcca agccgcagga cctatttccc cccgtatgga cgacccaacg 360
ggatacgaca ggatgagaca gtacatggat tcgaagctgc tgctgatggt atttgttcgc 420
caactggctc ggcaagtgaa cccggacgat gtcgttataa acgtctgcaa cccaggcatg 480

gtggccggaa ctggcctagg aaaaaacggg aagcccaacc ccagtttcgc cgaaaaggat 540
gtggtccctg tatttgtcaa ggcgctcgga cggaaggtcn aatctggcgc aagcgtctat 600
gttcatgccc tcttggccga ggggcanana agtcatggga gcttcatcag cgactggact 660
atcaaaccct acgcgggggt tgatgtatac taa 693

<210> 21357
<211> 321
<212> DNA
<213> A.fumigatus

<400> 21357
ccggctggac aagattttcc taataatgac aatgacaatc gacgaatgtg gagggactac 60
ctacctcata cacagtatct gacggacagc gcagaatttc aggcttacca ggctgaccat 120
gatgacttcc ttgcaagaat aggaagctgc ctgcaaagtg atggaagata tggtaaggca 180
gagatcatat ttcgaaatgc cttagaaata cgagaaagag cctgcggact agaccaccct 240
gatactcttg ccagtatcag ccagcttggt tcagtacttg ataaccaggg caagtatgag 300
gaggcagagg ccatgcacta a 321

<210> 21358
<211> 441
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (433)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21358
tctagtcttt ttctcacagg tactggtctc ttcgtcggtt ctggaaaggt tttgtccacc 60
ggtggtccgg catctgtact gattgcctat gccttgatcg gctgcatgct tttctgcact 120
gtgcatgcgc tgggtgagat ggctgtgctg tttcccgtcg ctggttcttt cgcgcactat 180
tcaacccgtt ttatcgatcc tgcttggggt ttcgctatgg gttggaacta tgctctccaa 240
tggttgatcg tcttgccccc ggaaattgtc gctgcgtcta tcacagttga ttactgggag 300
tcgaacatct cgaatgctgc ttgggtcgcc atattctggg ctgtcatcgt gtcaattaac 360
ctgttcggcg tcaaaggtta tggtgaagcc gagtttgtgt tctcgctcat caaggtcatc 420
gcggttattg gtntcatgtg a 441

<210> 21359
<211> 312
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (15),(31)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21359
ccgcatagcc ggtcntcgtc tcttggtaaa nattactcct tggggtatcc agccgcctcc 60
gtcgattggt tcctccaaca acacactgcc ttttatatcc atctttggaa ctatttcaat 120
gcattccccg aggaagtcgc acggtatact gaggttgaga aggtcggtgg cctagcacgg 180
gtgacaagat tgcagactct tcttactgac gctctgcaca gcacctccga ggtcggagcc 240
ccttcgccca tcgtgccttg gttcactgtc tgctctctat gcaaagtcag accgggttgg 300
atgtgccgtt ag 312

<210> 21360
<211> 312
<212> DNA
<213> A.fumigatus

<400> 21360
gttgcccgac gcggtcgcgg tccttccagc cccgtggtga agacgacccc tgaaaaattc 60
gatatgcggg agaaaattga gctgatccaa cggtcattcc accctgttgt ggaattcggg 120
agagatttca gtgttattct ccaaaatatg ggtaagtccc tataccagcg aggaccaaat 180
acacacgatc taatcggact ttatgtcgct gatacacaga tgaccgcggc tctcctgaca 240
acgaaatgga agagctatca aagtctcttc ttcgggttaa ggcatgcctt gtacctttcc 300
gcggagttct ag 312

<210> 21361
<211> 549
<212> DNA
<213> A.fumigatus

<400> 21361
aataccccat cgagtgacct caattatctt ccgtcttctc ggtcccatgc tcactgctgt 60
caggccttgc ataaccaggt aacccctgaa aaggctctca aatcgcagac caggcggcgt 120
aagaaccgat cgcccctccg tcggttcaag gacttatgtt taaaacacac ctgggttctg 180
cctctcctgc tgatgagcgt aatcctcctc gcatacgccg ttaatcctac gccggccaat 240
cctttccaca gcgctatctt cttgtcttac ccgcaacctc ccaagactcc cggcggtccg 300
gttatgtacg gcaaaggtcc cttggacttt gcttttgtcg gcttctacac cattgtcctg 360
tctttcacac gagagtttct gatgcaatgc gtgattcgcc catgggctgg atactgtggc 420
attcggggca gaggcaagac tgctagattc atggagcagg tctacacagc catgtacttt 480
gcgatctttg gacctttcgg tctgtatgtg atgaaacaga cggatatatg gtacttcaac 540
accacgggg 549

<210> 21362
<211> 540
<212> DNA
<213> A.fumigatus

<400> 21362
ttcgtaaaca cctttcccca gcgccatgct ctcgtcatct tcggcgaagc tcacggccgc 60
gaaacgtggg attcctccgt cgacgtcacc cgcacgattg gctggttcac caccctctgg 120
cctgtggtcg cacaggtaaa cccgtccgac agtctcgaga cggttgcacg gaccgtgcgg 180
caagctcgac gggcgatgga catgcacggg tggacgcatt tcacatcagt ataccacaac 240
actcggcaga cgaaacgcag cgccggagcg cacttgatgg agattacctt caactacgcg 300
ggaaagttcc agcaggtcga gcaggacggt tctcttttcc gcatggagcc gatggccaag 360
caaaatctgt tagatggcgc ggccgagttg ggccgatggg ccatgctcga gatcaattcg 420
gttatcctta acggcctgtt ggagtttcat gtcccctata accgcgggac ggatgaggcg 480
aggcctgtga ctccgtggtt ggtaaacgcc tcggcacgac agaattggaa ggaaacgcgc 540

<210> 21363
<211> 309
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (117)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21363
ataaaggtac cccgggtctg tcatggaacc tgtatttcca agtcgaataa gaagcagcac 60
cagaattatg ctcggaggcc atcgccaaag agacacaagc cagtcagaat gtctccncca 120
aggatttctc cgtgttcacc accaccgaga agagagccat catctgaagg gatccctggc 180
ggcttctttt cgccgctctc gtccagcatc tatttcccgg cgctggacac tatcgcttcc 240
tcgctgcaag tatctatcac caagatcaat cttaccgtca caacctatct ggtatgcatt 300
gtcaaatga 309

<210> 21364
<211> 555
<212> DNA
<213> A.fumigatus

<400> 21364
cttcttcaag gagcttcacc tatgttgatt gctggtttct ccgacaaagt aggtagacgg 60
ccggcataca tcatctgctt caccatctac atcgccgcaa acatcggtct ttcgctccaa 120
aacagctacg cagctttgat ggtgcttcgc tgcatccaga gtgccggaag cagtggtact 180
gttgctctat ccaatggtct cgtcggcgac atgatcacct ccgccgaacg gggttcatac 240
attgccgttg catcaattgg gctcatgttg ggtccgtctc tttcccccat catcggtggt 300
ctgatcagcc agtatctgga ctggcattgg atcttctggt ttctattaat cctcagctct 360
gtcttctttg ccattttgct cctattcctc cctgagacat gccgcaaagt tgttggtgac 420
ggatccgttc ccccgccgcc tttgaacaac aacgtcagcg atataatccg acatcgtcgt 480
cgcaagcgag ctggactcgc agcagaccaa gcgtcaattg ccggtcttca cgaggggtgg 540
aaggtcatcc atcga 555

<210> 21365
<211> 222
<212> DNA
<213> A.fumigatus

<400> 21365
tccatgcgtc cctctagctg catccccttc tccgtgggcc ttgccgttgt ggcccatgca 60
gcgtctccgt caaccctgga ggagctctgc accgtttcat atcttcaaac tgtgctgcct 120
tcatctaagt tcattcaggg catcaccatt gactcagact ctctcacaac cagtgtggcg 180
accaacagca ctgtcagcag cgttgactac cctacggcga cg 222

<210> 21366
<211> 606
<212> DNA
<213> A.fumigatus

<400> 21366
ccggtcgcgg tccttccagt ccctggtgaa gacgccttta tatatgtatg gaaccgctgc 60
cttggtgact acgtgggccc actcgaggaa cttattgcgc tcatcccgtc gcaggcagaa 120
tctctggtca acggggattc gatagatgag cccaatctac atgcaaatgc tgcaaaaatg 180
ttcccatatc tctcgtttgt gctcaccggc cgcatctatc cgactggtga agagatggac 240
gatgctgagg ccacgagagc caagacagca ttgtacgact acctcttctc tgggaaccaa 300
tctggcactt cccaagcgat aggaaggttt ccgagtctgc atgccatgtt gaagtttgac 360
gcatctagct ttatgagcat gctgaacgag gcgtttgagg atagtttcct caacgaccag 420
gagcccgatg agatccccgc gcaaggagtc tccatcaacc gccaatacct gatcagcatt 480
ctgttccagg ttatgacgcc tacttctttc gattcttcag ataccatcta cctcgacatg 540
ttcgttgcgc gcaacctgcc caaataccct caatatatcc tattgtctgg cactacactt 600
catcaa 606

<210> 21367
<211> 492

<212> DNA
<213> A.fumigatus

<400> 21367
tgtgccgata ttcactgcgg tcggccatcc cgaggtgaag acctttttctc gagtttgccg 60
cctggcgcgg aacctcccgt tgttgacgac cactcatact acgcagaata ccatccccaa 120
cctccacaga acgatgatcg tatccattgg accaaacata cccaaagaca tcctgtctcc 180
agttttattc ctctccctac gcctgcgcca tcggcgattc ctcgtgtcca gtacgagttc 240
gcgaaggaat catggcttgg ccgaaggaag agagtgaaca gacagaaagc cgtcaaggag 300
gccttcacgc atgcttggaa agggtacaag cagcatgcct ggatgcgcga tgaactttcg 360
cccctcagtg ctcggtacag aaccacattt gctggctggg ctgccactct ggtggacgca 420
cttgacactc ttgtcattat gggtatggaa aacgagttca aggatgcgtt gcatgctatt 480
gagagcattg at 492

<210> 21368
<211> 228
<212> DNA
<213> A.fumigatus

<400> 21368
tattctgggg ctttgttccc cgcccctatg aaacatccct tcccgggggg tgcgtttttc 60
ctatccttcc gggcgagctt cctcaatagc ctgattagaa ttttctctac gggcgccgtt 120
ctcccccgcg aaacacgtgg ttccactggg gccgttttcc cccctccaaa aggggttttt 180
tataagcggc tttcctcccc catgggcatt atgggggggcg cggtttaa 228

<210> 21369
<211> 279
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (144),(193),(231),(238)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21369
ggatcagtca catctaattt cttcatcatt aatagggagg gctggcccat actattctat 60
ggagacgtgc taacactgca gtttcacatg tctgaagtct ataaattagc tccactctta 120
aaatctctag ggctaaaaaa ctantgtatt tctgtttgtg caaagaagaa aactagcatc 180
tcagaaatgc ctntagagcc ctcactagaa cttatgactg acttccgtca naaggcantc 240
ggtctgtcaa agtacttttc tctgagtcac cgactttga 279

<210> 21370
<211> 567
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (468)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21370
atttggactt cggaaggaag ttggcgtcat tctaagattt tcccggcatt tgatgtactt 60
ggatttgatt cacccaacca attcgggagg aatcaccggg acgatattcg ccctaggtta 120
tatagacctg atggaggctc gcatccggaa atctggttgg caaggggggaa gggagtcttt 180

gttacaggag acttcaacat tgcgaaaggg gaacttgatg cagctgatgc aaccgagccc 240
atcaggaagg gagcaatgac agaggacgag tttatctttg ccccggcacg gcgtgtgttc 300
aaccaaattc tttctgacgg cagagtaatt ggtcagcgcg atgaagagag agaaagtcct 360
gtaatatacg atatctgtcg atctattcat cccggcggaa ggggaatgta cacttgttgg 420
gagcaaagaa tcattgctcg acccggcaat tatggcgcga gaataganta cgtcctgtgt 480
agcctggata tgcaagattg gttcagcgac tcgaatattc aagagggcct aatggtaagc 540
cccgaggttg cacagacttt gttgtag 567

<210> 21371
<211> 486
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (74),(77),(80),(131),(143),(176)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21371
cggtataagc agaccacgac gctgcccatc atggatggcc aaaggcagca aacgtacata 60
cctgccctac cacntcnttn tgcgacacaa ccatctcagt cccatatgct gtcgctacca 120
ccgccaccac ntcgacatct gcntacgcaa cctcagggtg tgatgccacc tccgcntccg 180
ggaccacccc cgggcccccc tccaggtcct ggatatggcg catcgaagct cgcaaactcc 240
cagttgcagc agcagaacaa tctcggatgg cagcataatt gggctaggca agcgctatct 300
caagggtttc tcccacctcc cccgccgcct ccaatggtac cgacaaacca agcatacggc 360
cgtcaaacga gtttctcagt ccccaatgcc gacggtccaa ttacatctgc gacttatgtc 420
ccaggaagta acactttcgg tgccggcgtc gggatgtctt cacaacagcc tggaaggatc 480
aggatc 486

<210> 21372
<211> 525
<212> DNA
<213> A.fumigatus

<400> 21372
acccctgcca ggacaatctc aattaaccaa atgggtatgc aggcgaccgg cattagcccg 60
gaagtcctta tctccatcga ggacggggat gtctataccg aagcactcgc tgggacccag 120
ctctcggaat cacccgaggc gagccttgac ccattggaca acaaattaca taacgacgcc 180
aaggaggtta tggagcatgt cattgctatc aaggggtcca gccgtcggct gagtccggat 240
tgtcttcccg agtcaatcgc ttttaaagat ttcatgaaag tcatgccccg gggaagcgtg 300
caacatctct tttcccacgt gcgtggacgc ctgagagcag actgcgacgg ctgggatgct 360
cttccgggtc tcatcgccaa tattaccgtc cctgggatgc cgggaccgag gaacctcgag 420
gcaattcggt gctttgagcc tgagccgcgg gatatctatt gtggtgcgtg catcatgctg 480
gtcttcactc gggaactgcc ggaaccggcc ataaccgtcg gcata 525

<210> 21373
<211> 687
<212> DNA
<213> A.fumigatus

<400> 21373
ccgaaagcgg gaggcaatgc agtagctgcc aatggcgccg ttccctcgtt gaacgacgct 60
ttgacgcagg cccatggtat gggtgttttg acaggagatc cagttgtttc agtccctcat 120
tcacttgacg atgtcagttg gcgcatcgga ggttgtgtgg cggtccactt gagtctggtg 180
catgctgcaa aaaccccgga atgcttaagt cttgcggttg aagcgttgta cgaagctgta 240
caggacaatt ggcgaaacag tgaagcaatg gaaagggaaa atgggtacgg gattcttgca 300

gcgatacttc gtgataaatt tgggctgggg aatagttcag cgacaagtag ggcttctagc 360
atctgctcca atctcgagga acggtgtgcc ttgggtcttg accttcttcg attgactctc 420
aaattcgttg gatatgattt cgagcaccct aaccgatcga taattacaaa tcccctggcc 480
tacagggtct tgcttgtgga tctcgacatc tggagactag gggattccgc tcaactgagt 540
ttatactact ctcaattctc cacattcgct ggcgaaagta actatcgccg atttaatgca 600
aaacgtcttt cttcgcatgc gtatgttcat acccttcct ttgccccttc tacatcttca 660
ccaccagccg gcggatccac gaagaat 687

<210> 21374
<211> 264
<212> DNA
<213> A.fumigatus

<400> 21374
acggccccta ctgagaagtc atacacctcc gtcctgcaaa tgatccgctc ttccgcatac 60
agaccgatcc agctattggc atttgaaccc atgtgcatga atctgtgcgt attctcgggc 120
atcttgctcg gcatcctata tctcttcttt ggtgcctttg aactagtctt ctcccatgtc 180
tatggcttca atctctggca aatcggcagt tcgtttttgg ggatccttgt cggaatgatg 240
tcagcaatcc tgacggatcc cctg 264

<210> 21375
<211> 666
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (3),(9),(63),(209),(662)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21375
atnacgcana ccccatcccc caagagtaca gatacaatga tctccatcgg cacccatcgc 60
ctntatcttt ccatcagcgg cccaccccgc cacaatcccc cagatcctat cgtagtgttc 120
atcgccggcg caggcgacgt cgcatcgtct tactgcgccg ttcagcggct tgtggcgcca 180
ttctccccgc ttgttcttta cgaccgctnt ggcctcggtc gcagcgaaag taatcccaac 240
gctcccagcc caactgcgat gtccgcagct gccgagttac acaccctact caaaactgca 300
aacatccctc caccgcttat cctggcagct cattcctatg gagccatcat tgctagggaa 360
tacctccatt cctactcgag cgatgttgcg ggcatggtcc tcatggatgc ctcaacggaa 420
cgaaacatcg agttatttca gaacccggat ttggatctta gtgctatgat tggaaacctg 480
aaatttttctg aggtcacagg tctgcgtgct gccgctcagc tctcacgcga agaatggcgg 540
gtgagagcga tagacactgc gcggggagtg gctacttctc aggcagaagc gatggtgcgg 600
gaggaggttt gtcgtgcgct tgctgaaaaa gagcagttca agaagcaggc gctgggggag 660
tnttaa 666

<210> 21376
<211> 186
<212> DNA
<213> A.fumigatus

<400> 21376
cgactgcgtc gagttctgat tgcaactgtc ttctatacct tccctcatcc gtttttctac 60
gacctacgcc ctagtttcat ggaaatggaa gatctggaga agcaccgatc gtccagcttt 120
tctccaaacg aggatgcaaa caaatccaca ccattacttt ccgattatgg gaataagggc 180
aagccc 186

<210> 21377

<211> 396
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (229),(260)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21377
ctaattgtag atttttcggc cgtcgactgg tccgcattcg ttgatacgat tccagcgatg 60
ttcgcattga cgttcttcgg agttcttcac gtgccaatca atgttccggc actgggtata 120
tcgactgggg aagaaaatct cagtgtcgat cgtgagctca tcgctcatgg cgtcactaat 180
gcactgtcaa gtttcgcggg aagcatacag gtacggctga acaatttana gggcatcatt 240
cgtttcatat actcatgcan ctctaaaact accttgtatt cactaattaa ccttcctttt 300
catccccaca cggtggggat tcccctactg ggcaggtatc atgctccccc tttggtaaca 360
aaaggttttc ctgtttttgg gcccggggaa aatttg 396

<210> 21378
<211> 528
<212> DNA
<213> A.fumigatus

<400> 21378
acgcggtact tccagttccg tggtcgaagt agcgaggaca atccgaaatc tgtcctcgcc 60
acaactattc tcgcattctc cgccagttct gtccttacgg gacttgtctt tttcctgatg 120
ggaacgtgca agcttggttc tctcatcggg ttcttcccgc gtcatatttt gatcggatgc 180
attggcggtg taggattctt tctgatgcag accggtgttg aggtatctgc tcgactatcc 240
gggtccctgg agcttaacgg accaaccttg cagaagcttt ttcatatgga tacattcctg 300
ctttggatga tacccttgtt tcttgctatt gcttttcttg ttctgaagcg ctttgtgcgg 360
tccaatttcc ttgtcggtgg ttatttcgtt acggtaggtg tggtttttta tatcgtcaaa 420
ttcggcgcaa gagtatctat ggataccttg cgtagcagag gatgggtctt tgacgctccg 480
tcgtcttcca acccttggta tcacttttat acgctctacg gtgggtaa 528

<210> 21379
<211> 540
<212> DNA
<213> A.fumigatus

<400> 21379
tactcttacc tcgaggccgt ggtgaagatc aaggctctta acggatcccc gggctacatc 60
aacctactcg atgcccttaa cgcctgggct ctggtcaagg agctcaagca ggctctcggc 120
taccccgccg cagccagctt caagcacgtc tctcctgcag gtgctgccgt cggtgtccct 180
ctgagcgaga aggagcgcaa ggtctacatg gtcgatgaca ttgccggtat cgagacttct 240
ggacttgccc aggcttatgc tcgtgcccgt ggagcggacc gcatgtccag tttcggggat 300
ctacttgctc tcagcgacgt ctgtgatgtc cccactgcca agattatttc ccgcgaggtt 360
tccgacggtg tgatcgccgc tggttacacc cctgaggcgc tggagatcct ctctaaaaag 420
aagggtggca aataccttgt cctgcagatg gacaagaact acgtccccgc ttccgaggag 480
actcgcacta tatatggtgt tcagctcagc caacaacgca acgatgttgt catctccct 540

<210> 21380
<211> 603
<212> DNA
<213> A.fumigatus

<220>

<221> unsure
<222> (361)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21380
attacattaa acgcgttacc ttgcagccct gtggtgaaga aaatgtacat tctcccggat 60
ctttcctcga tggggaatga aaaaaataca ccacggatga ttcatcagtt gaatacaatc 120
cccccatttc tagaccagtc gggtgcccaa agaactgaac tggaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaggactaaa atcactgcaa taggacaatt tgttcaaaag 240
ggtatgaaaa aaacaaatca caaaaggaca aggccagcgc cgaaaacggt ggacaggagt 300
gtaaccgcac caacaacaac gggagccatg gtcaggctag ggacagtcag gccagctgca 360
ncgcccttgg aaaaggtgga ggtgccgctg ctgctgcttc cattggcaaa accatatccg 420
ggctcagcag tggcagtgga cggggtacca cggtcctggc tgcaagttcc ggaaaaacaa 480
gggccctgcc aaccaccccc agtccattta cttcttgggc gggctcggga atggcagaaa 540
aacctccttg gtcaagtccc attgggaacc ttcctaccgg ggcaagggtg ggcacaccat 600
tct 603

<210> 21381
<211> 294
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (191)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21381
ccaaggaggt ttttctgcca ttcccgagcc cgcccaagaa gtaaatggac tgggggtggt 60
tggcagggcc cttgtttttc cggaacttgc agccaggacc gtggtacccc gtccactgcc 120
actgctgagc ccggatatgg ttttgccaat ggaagcagca gcagcggcac ctccaccttt 180
tccaagggcg ntgcagctgg cctgactgtc cctagcctga ccatggctcc cgttgttgtt 240
ggtgcggtta cactcctgtc caccgttttc ggcgctggcc ttgtcctttt gtga 294

<210> 21382
<211> 537
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (82),(144),(147),(181),(184),(508)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21382
ttccaacggg agacaagaca aacaaccaaa ccgacaaacg aatcttcaat ccgcacggag 60
tataaaatga cacaatcaat cntcaccacc acccaagacg gcatcacaac catcaccatc 120
aaccgccccc accgccgcaa cgcngtngac cccccaaccg ccaaagcctt ttacaacgcc 180
ntcntagcct tcgacgccga ccccgcccag aaaatctgca tcctcaccgg cgccggcggg 240
acctttgcg ccggcgctga cctccacgcg gtcgccgcag ccgggaccgg atcctcacca 300
tccacactaa gcacccagga gaacctccag cctgtccctg tcgcgtccgg caaaaatgag 360
caggtcccat ccctaggacc aatgggtcct acccggctac acttatccaa acccttatc 420
gcagcgatag ccggccacgc cgtcgcaggc gggctggagc tcgcgcagct ggctgacctg 480
cgcgtcggcg cggaggatgc cgtctgtntt aaacagacgg catggaagga gataatc 537

<210> 21383

<211> 465
<212> DNA
<213> A.fumigatus

<400> 21383
gtacctccac acaaaacata tatatgcggg gagagtgcca tagtaacgag atcgattgcg 60
cctgactgtc gactaactac gtctactact atcctatcct atcctatccc cgacccggct 120
gacttcatgg atttcatttc cgagatttca gccccttcgc tggcggtcgc ctccgccctg 180
accgtcgcag caggggcgta tctgaacgca aaactcgcca tttccacgga tttgaccacg 240
atatgcaatg atcgagactg gacaaaacgg ctgggtcagc gaattgctga gcttggtgat 300
acagctaccc tgtacaagat gctggagaga gtcgtggagg tgcaaggacg cggcgacagt 360
gaggcgctct ggtttgagaa caagacatgg acatatcgtc aattgaaaga tcgtgcgtct 420
ggcccttact gctacaaaca tgtgctttct cctgttcgaa attga 465

<210> 21384
<211> 420
<212> DNA
<213> A.fumigatus

<400> 21384
gtcttaagga ttcaatcaac tgctaacttg tcccttctac agacttccgt ggacctggtg 60
gccgcggcgg ccgtggtgac cgttatgatg acagacgtgg acctcacggt ggcggctggc 120
gtcgcggcgg cggtggtggt gacgactacc gttatggtcg ttatgactcc tacagtgatc 180
gtcgtgacta tggcggtggt cgcgatggcg gccgcgaata ccgcgactat cctcgtcgtg 240
agtaccgtga cgactacagc taccgtggtg gcattgatcg ctacgcctcc ggtagtggtg 300
gtggccgtga agagcggtac agtcgcgagc ctcgccgtga cgatcgtcgt ggctattatg 360
atcgtgatgc taaccctccc agctacggcg acgcccctcc tgcccgcgaa ccgtacgctg 420

<210> 21385
<211> 411
<212> DNA
<213> A.fumigatus

<400> 21385
gccagcgtac ggttcgcggg caggaggggc gtcgccgtag ctgggagggt tagcatcacg 60
atcataatag ccacgacgat cgtcacggcg aggctcgcga ctgtaccgct cttcacggcc 120
accaccacta ccggaggcgt agcgatcaat gccaccacgg tagctgtagt cgtcacggta 180
ctcacgacga ggatagtcgc ggtattcgcg gccgccatcg cgaccaccgc catagtcacg 240
acgatcactg taggagtcat aacgaccata acggtagtcg tcaccaccac cgccgccgcg 300
acgccagccg ccaccgtgag gtccacgtct gtcatcataa cggtcaccac ggccgccgcg 360
gccaccaggt ccacggaagt ctgtagaagg gacaagttag cagttgattg a 411

<210> 21386
<211> 333
<212> DNA
<213> A.fumigatus

<400> 21386
catcacgatc ataatagcca cgacgatcgt cacggcgagg ctcgcgactg taccgctctt 60
cacggccacc accactaccg gaggcgtagc gatcaatgcc accacggtag ctgtagtcgt 120
cacggtactc acgacgagga tagtcgcggt attcgcggcc gccatcgcga ccaccgccat 180
agtcacgacg atcactgtag gagtcataac gaccataacg gtagtcgtca ccaccaccgc 240
cgccgcgacg ccagccgcca ccgtgaggtc cacgtctgtc atcataacgg tcaccacggc 300
cgccgcggcc accaggtcca cggaagtctg tag 333

<210> 21387

<211> 465
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (13),(454)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21387
agcggtatgc ttntagagcg ccttcaacag ctgacctacc aggtcggctc ctcttcacct 60
ttacctcatc cctttgatcc cctgtcaaca aaagaaattg acgcggcagt cgccatcatc 120
cgcaaggaac atggcaatgt caatttcaac gcggtcactc tgtacgagcc gcggaaggcg 180
gagatgatgg cctggctcgc agatcctgag aatgcgcctc gtcctgcgcg tgctgccgac 240
gttgttgtaa tcgcacctgg cggtaaggtc tacgatggca ttgtcgatct ggatcagaag 300
aagatcgtct cgtggaagca tacgcctggt gtgcagccgc ttattacgat ggaggatttg 360
caggaggtgg agcatattgt tcggaaggat cccaaggtta ttgagcagtg tgcgattttg 420
gggattccag aagtggccca ccacggggct gaanggtccc gcgat 465

<210> 21388
<211> 243
<212> DNA
<213> A.fumigatus

<400> 21388
ccatatctgt caggtgtctt tgcgggatcc ttgttttggg ttggtgtcac atatatcttc 60
agcgtgttgc caggtaggta tactttacct cgttactgct ccgtactaac cgtttacgcc 120
cttagcaacc tattccacgt cgccaatttt gaatatattg ttcgcggtgt tctattgcct 180
cacaacatat ttctacatct actcgatgac agaagacccc ggctttgttc cgaagacggg 240
tag 243

<210> 21389
<211> 234
<212> DNA
<213> A.fumigatus

<400> 21389
tgctcttcta catcctatcc cttccctttc acgatggccg agttttcgac tagtgaggat 60
cttttcgctc acgctcgggg caatgaatcc aatgaaagat tctacaacct ctgtttctgg 120
ggacgcaata atcctccatc tgcgatgcct tgctcacagt ataccacaca gtttatctcc 180
tcccgcggaa acgagtattt ctgcgagatc gacgaggaat acttgaccga tcgc 234

<210> 21390
<211> 195
<212> DNA
<213> A.fumigatus

<400> 21390
tactatgcta gaatgtcggc aagctcaatt ttagacaaac cgcttctcaa agttagtcgg 60
ccggttgccg cttgctcaag atgccgaacc gcgaaaatta aatgcgatgg gaaacttcct 120
gcctgctccg cgtgtgaacg agtatggaaa gcgagcacct gctctggcgc cagtgacgag 180
tttgccagag gaaaa 195

<210> 21391
<211> 471
<212> DNA

<213> A.fumigatus

<220>
<221> unsure
<222> (417),(444),(459),(463),(465),(467)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21391
aagagcgtct cgatgtcgaa gcataatctt acagatacta cggtcataca tagaggacag 60
tacaagtata ggaaatattc gcactcaaac attcccatca gccacctctc tcctctcccc 120
cgccaacaac ctctccctct ccctctccat cccctcaacc acctcgcccg gcgccccatt 180
actcagccaa agcatcggca cagccgtcac cgcagccaac aacccaagag tccacgccat 240
cgtattccac ccaaactgat actcaataaa cccaccccaa agcggaccca ggaacatccc 300
cataaacgag gacatagtct ggatgccgaa cgcctgcgcc acggcccctc gtttgccgaa 360
gatccccggc cgcgcgcgct ccatttcctc gaggacctgc tgcgtttcga cgtatancgc 420
gggcacgcaa gcgtggataa acangccgat aaaggtgang gangananatg a 471

<210> 21392
<211> 744
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (34),(604),(672)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21392
gatacgctgt cgtccgagcc ggctggtgaa gacncacgcg tgtccctcca aagccacgat 60
gacattacat acgaatcgat agccaaggcc ttcaacctgc cactgaaact tcacacccgc 120
gccttcgagc gcatgaagag actctccaag cctcacccca tgcagcctca cttcgattgg 180
gacaccccgt cgcccggcct cactgcgaag ctccggatgg tctacctccc gtacgacgag 240
aacctccccg cggaatcaca agccctcttc gttgcagacg acatgtgggt gcccatcgcc 300
gtcgtcaacg gtaacgtgca tatcctcccc ggtgtgcccc gcttgttcga gcgcctcctc 360
gagcacctca agcccgtttt gctcccccgg ttagccaacc cggagggcaa aggtatctac 420
cgctacctct tcagcacccc gctccctgag agtgctgtcg cgccgtacct gacggacctt 480
gcggcccggg ccagtgtgca cggcgtcaaa gtcggcagct accctcgttg gggcaacaag 540
cgcaacaccg tcactcttgt cggaaaagac aaggctttca tggattcggt gattgcggat 600
gtcnatgaga acgttcaggg caagaaggta tctcgggatg atgagctgga ccctccctct 660
gagtcggagt anagttctaa cgactccctt tgcagcttca cagggaagat attttgcgtg 720
ttcaatcttt tgactgatag ataa 744

<210> 21393
<211> 537
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (508)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21393
gagatgtctt ctaacgaccc tcaccttccg ccatcggaca ttgcatcacc ggggatcaag 60
gacgaagctg cttctgtaac gctcggatcc cttcaagaac cgcagcaaca atcgcaaact 120
cccgcaggtt ctttttcgga acctgtcgaa aatgccgctg ttcctgctac ccagagcggg 180

gccgtgaaca cccagaaata tgataatgcg gacagcaccc aagccgctgg tgtccacgat 240
agcagtacac cgattgtggc cgccgagcag agcatccgtg acacttttgc aacaaatgac 300
aagccccaag ataccacagg gttagagtca actgatacgc cagtgcccga gccattacca 360
gacgcttcag acgccgccgc gaaggaagtg gagggttccg ccccgtcgtt gaccatcaca 420
ctccttttaa caacaggttc tcgtcatcct ttcgagatcg atgggaaata tctacaaaag 480
cgggggtcga cctcgagagt attgatantt ggcggctggg atcgacacag tatggat 537

<210> 21394
<211> 486
<212> DNA
<213> A.fumigatus

<400> 21394
tacctatgcg cggatcctgc cagccccgtg gtgaagacaa tcgatatgaa agtcactagg 60
gattcggaga gcggcattga cattgatctg cacgatcgct cggaattatc cgaagtggac 120
ctagctattg tccgcattga tcccgtgacc tacctgccac ctgagatcat gtcgctgact 180
ctatcgtatc ttgaccccga gtctctgatg caggctgaac tggtttctcg tgcttggcga 240
gagcaggctt cttctcggca cacctggagg caggtatttc gtcgtgcgta cggacaccgc 300
caccccagcg gtgtcgcctc caagaagagg cagtcggctg gcttgggaaa gtcaatcccg 360
aatcaggagt ggaagaagat gttcctcgtc cgtcgtgctc tcgatcaccg atggaaggag 420
gggaaagcgg ccgcaatcta tctgcacggc catacggaca gcgtctattg tgttcagttc 480
gacgag 486

<210> 21395
<211> 555
<212> DNA
<213> A.fumigatus

<400> 21395
cgcgtttcct tccagccccg tggtgaagac cttcagcagt tctaccggga atctcgcttg 60
catcacctat caacgtggaa agcagagctc aaggctcagc ttcaagctgc tgcaaaggaa 120
aaatcccact ctcaagcagg tcgcaaaaag cctgctccag gagcaagacg ctatgtttta 180
catgtggact tcgattcctt cttcgcggct gtatcgatgc tgaagcaccc agagctcaaa 240
ggccaaccag tcgccattgc acacggtact ggttctggct ctgaaattgc cagctgcaac 300
tatcctgcgc gcgcccgggg catcaggaac gggatgtgga tgaaaggtgc tctacaagcc 360
tgtccggagc tgaaggtctt accgtacgat tttcctgcgt acgaagaagc gagcaagaaa 420
ttttacagtg ctgtcctcgc ggtcgatggt gttgtccaga gcgtaagcat tgacgaagcc 480
cttgttgata tcacactgca atgtctcgag gccggaggtt cggacgggcg agggatatca 540
gaaaggtcta tctac 555

<210> 21396
<211> 363
<212> DNA
<213> A.fumigatus

<400> 21396
ctccaccttc cctctgagca ggtgtcaagt tccaatccat tagtcaagcc gaagcctact 60
ccaggttaca tctacctcta ctccgaggat gaattggtgc actttgctg gcgcccaaga 120
accgctcctc ctgaccaacc cgaactggat ctcgtaatgg tcccatcaga cggaactttc 180
accccgtatc aaccagctgg caaagatgca ccgacaaacg gccgaatctt cgtattgaag 240
ttctcctcca gctcgcagcg ctatctattc tggctccagt caaaatctca gcatgagagg 300
ggcgatccga gctggttcag ccccatcttc accacggggc tggaaggaaa cgcgtacggc 360
gag 363

<210> 21397
<211> 201

<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (75)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21397
actttcgcca tgtctatagc tccactcatt acattcaaag ctggtatctg tgacctggat 60
gtgagtgact gccantacag ccctgacaaa ttgaccttaa cctctgtgta tcaaacggcc 120
acgattcggc ctgacaacag atttatggcc cttactaact ccaccttccc tctgagcagg 180
tgtcaagttc caatccatta g 201

<210> 21398
<211> 615
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222>
(582),(583),(584),(585),(586),(587),(588),(589),(590),(591),(592),(593),(594),(595),(596),(597),(598),(599),(600),(601),(602),(603),(604),(605),(606),(607),(608),(609),(610),(611),(612)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21398
gggaagtacg atgctaatgc caaccagtgg attatgggcc taaatgccgc cctgaaagac 60
tggaagcgcc aaaccaagta cttcggccac ctcaacggct cgaaatactc gtgtcttgtc 120
ttcgataatc gcggcgtagg ccgctccgac aaacccacct gcttctactc aacaagcgag 180
atggctcgcg atgtcgtgga cctcgtcagc tcgctgggct ggatcgacat gaaagctccc 240
gcgacacgcg ccatccacgt catcggcgcc agtatgggcg gtatgatcgc tcaggaagtc 300
gcgatgctca ttcccgaccg gctcgccagc ctgacgctct gctgtacggc tccgcgactc 360
gtccgcacaa caccttctt cgagaacctg cagcagcgtg caagcatgtt catcccgcga 420
catgtggacg tggagattga ccgcatcgcg gcgacgctgt ttgcgagtga gtttctggcg 480
cagcccgata cggagaatga ggatcctgcg ttgaactttc cgacgaagag ggatcgattt 540
gcggcggggc atttgaggaa gaaggcggat acagagtctt cnnnnnnnnn nnnnnnnnnn 600
nnnnnnnnnn nncaa 615

<210> 21399
<211> 549
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (329),(498),(535)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21399
ccttccagcc ccggtggtgt aagacgaaat acatggcatc tcccactctg gcgcaaatgc 60
atcatcctcg tcgtcgtcag ctggatggct ttcgtggtca ccttctccag cacgtctctc 120
ctccccgcaa cccccgaaat cgcagccgag ttcgacacaa cccccgaaat actgaatatc 180
atcaacgccg gggtgttgtt ggccatgggc ttctcgtcgc ttatttgggg ccccttcact 240
gcgcttcttg ggcggagggt tgcgtataat attgcgattg cggcgctttg cgggtgttcg 300

gtgggcacgg cgcttgcggg ggggagtant gtgtttgcgg tgtttagggt gcttgggggg 360
ctgacgggga cgtcgtttat ggtgcagggg cagactatcc tggcggatat ttttgaggcg 420
gtatgtatga tcgtttatct ctctggctgt gtgtgcgtgt gtgagtgtga taaagctgat 480
tgtggtgtaa aaggttangg ggacggcggt tgggttcttc atggctggga cggtnacggg 540
gccggcgat 549

<210> 21400
<211> 564
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (15),(52),(221)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21400
atcgccggcc ccgtnaccgt cccagccatg aagaacccaa ccgccgtccc cntaaccttt 60
tacaccacaa tcagctttat cacactcaca cacgcacaca cagccagaga gataaacgat 120
catacatacc gcctcaaaaa tatccgccag gatagtctgc ccctgcacca taaacgacgt 180
ccccgtcagc cccccaagca ccctaaacac cgcaaacaca ntactccccc ccgcaagcgc 240
cgtgcccacc gaacacccgc aaagcgccgc aatcgcaata ttatacgcaa ccctccgccc 300
aagaagcgca gtgaaggggc cccaaataag cgacgagaag cccatggcca acaacacccc 360
ggcgttgatg atattcagta tttcgggggt tgtgtcgaac tcggctgcga tttcgggggt 420
tgcggggagg agagacgtgc tggagaaggt gaccacgaaa gccatccagc tgacgacgac 480
gaggatgatg catttgcgcc agagtgggag atgccatgta tttcgtctta caccaccggg 540
gctggaaggt cacgcgtacg gcaa 564

<210> 21401
<211> 339
<212> DNA
<213> A.fumigatus

<400> 21401
ccaatcgggg gtcacggctc taacaaagct ctgcttgaga tcttcggtaa aaatggccct 60
ttcacagcct gcaagggatg tagaaacatt tacaccaagc tcgccattgc tatctatata 120
gatcatggca aagtgggggga aagggcagtt ggatgcccgt ggcattgggc tgtggctctc 180
ctgtgggaaa tcaagttagt ggattgtcct attgttgcga caaagcgtta tgcataccgc 240
tggcccttgc tggcccgcca tgctatcata gggcaacagc tgatgatgct cctgggctcc 300
tggctgggct gttggatcca ttgcgcaaat cgaccttga 339

<210> 21402
<211> 540
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (368)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21402
agaagccagt tgagcggaga taacgctgaa gctttcaatt ctgctacgag accgctttca 60
cagtcaatcg ccgttcagac tgacgcgact gacccctttg ttgcctctac tgaacctgcg 120
cctgcccctg aacctaaacg agaagtcgtt acatacagca aaggagtgca aacggacgat 180
tcaaagcaac gccaaacaga ctcgctggac tcggagtcag aaactggaga gtttgacgat 240

ggtactggac caagcaaacg cctaagcaag agcgaccggg aacacgatga ggaaattcga 300
aggaagcttc gcagggaaat tgaagaagaa ttacaggcca cccaacagca ggctgctggt 360
gggcctantg cccaagctac aaacctacgt tatcctttac gtactctcga cgaggacgaa 420
ctgaaggccg tcacttcttc ggaggacttc ctcgacttcg ttgagcgttc tgcgaaagtg 480
attgagcgtg ctctaaatga agagtacgac gtgctcgcgg actacgagct tggcggggtt 540

<210> 21403
<211> 408
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (16)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21403
tattccctag cgcggntcgt tcgacccctg tggctgaaga tgctcatcac ctgtgtcctt 60
ggcattatca cctactggtg gatggtagat tttccggagc agtcgcacag aagcttctgc 120
ttcctgtcga agatcgaggc caaggtggca gcgcagcgta tccagatcga tcgtgacgat 180
gtcgtgcccg aaccattttc ctggcgcaaa atcctcgtca atttccttga ccccaaacta 240
tacggattcg cttgcttgtt cttcctgctc aacctcgtct caacttctct caattacttt 300
ctccccatca ttctccagtc agggatgggg ttttcaagca gccagtcgat tctgctctcg 360
acgccggtaa gttcggcctg tcacgaagtc cacgactatc ccacctaa 408

<210> 21404
<211> 438
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (414)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21404
aagctacgag aactcaagcg aatcaagaga gagcgtgaag ccattgaggc agcggagaag 60
gagcgcgaag agatcgagcg tcgtcggaac ctcactgcag aagaacgcga acgcgaagac 120
cgcgagttta ttgagaagca aaaacaagag aaagaagcca gtcgtggcca gactgggttt 180
atgcagcgct atttccacaa gggtgccttc ttccgtgatg atctggaacg cgaaggactg 240
gacaagagaa atatcatggg acagaggttt gccgacgatg tcgctcgtga gaccttgcct 300
gaatatatgc aaattcggga tatgaccaag ctgggaaaga aaggaaggac acggtacaag 360
gatttgagga cggaggatac gggacgcttt ggagagggct tcgtcttcac cacntggcca 420
tggacggacc aaagctcg 438

<210> 21405
<211> 627
<212> DNA
<213> A.fumigatus

<400> 21405
ggagcgcggt ttcttccagc ttcgggcgtg attatgattt ccccttggt gcgagcgctg 60
gaacccatta gcaatttcac tgtcgacacg caagtacagc tatacgcgac cttctctcca 120
accgcgccca aacccgaata tgacgaggcg ctagcagctt ggaccttgaa gaaggaagat 180
ctgagtgcct tcatcaatgc cgccgaatgg cccttgagcc ctagtatcgg aaacggccca 240
acaattaact tcattctcta tgtgcctgcg ccttcacagt cgccaatggt cgtcaaggag 300

agcggtgcga ccagctggat catccctcaa tggggcggcg tcttcctcgt caacccccct 360
ctatccacca cccaagagaa ccactccagc ccgacccatt tgtccaagga tgcactacgc 420
gccggcttct taacattctc ccaccagctc ctcaccttac ttggcgtccc tactacgcct 480
acctccctgc cattccgttt acaaacgctg atccgcgtcc gcgcggccac gctcctcctc 540
tccgcatcct ccaccatggg ctcgctcgcc cgtctcaccg agtccatccc ctcaatcccc 600
atcccagcta atgtcgccgc atctgta 627

<210> 21406
<211> 282
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (244)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21406
actaatactt acgatagcgt ctccgaactg gatgcttcct gcctagaact gaccccagaa 60
tgcatcaaac aagcccaaga cacaaagaca ccggaggatg ttaagcaatt cttccgcgac 120
tacggtgaga tttcagatca ttttcaaccg acgccgatga agcattcaga aaccgtcttc 180
gcagcaacca gggaactgcg tagcacccga agtctgacca ccacagagaa acaggatcta 240
atanccacaa aatatgaaga cagccgcggg gattcaacct ga 282

<210> 21407
<211> 351
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (322)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21407
gggagcctcc tcgacttgct tatccaagct ggcctccgca gcaagtggcc tgtcgaacgt 60
gagaccatgt ggctagccta tcgaatcttc atgctcaact tccccggtgt acatacaagc 120
ggcatctccg ccaccagcgc ccttctcgac attctgagct atcccaccga agagggcctc 180
atggatatgc tccaagcgga aatcgaacag atcgccgcca actcggacgg gtcatggtct 240
gccgctgacc tggaacgggc cagtctgctc gaaagtgcca tcaaagagtc tcttcgcttt 300
gacggcatca acgccctctg tntacgagac cgggcctgga aatatagcat c 351

<210> 21408
<211> 546
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (60)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21408
attggaacga tcaagcccac gatgccctat ttggtgggga taagaaggac actgacgggn 60
tacgtggaac tcctaacgtg gactaacgtg gagcgcattc ctgatccgga actcgccaaa 120
cgccgtgatc ttcgtcggag ccggaagaag aggggcgtta cactctacga atgtcttgac 180

gagttcaaca aagaggaaat tctttccgag aatgatgcat ggtactgccc ccgctgcaag 240
gagcatcgca gagccagcaa gaagttcgaa ttgtggaaaa ctcccgacat ccttgtcatg 300
cacctgaaga gattcagcgc cagcaggggt ttcagggaca agctggatgt cctggtcgac 360
ttccccgttg aagggctaga catgagcggc cgtgtggaat cgccggaaga aggaaagagc 420
ctaatctatg atcttttcgc ggttgataac cactacggtg gattaggagg cggtcactat 480
acggcctacg caaagaactt tatgagtggc caatggaacg agtacaatgg taagagcttt 540
ctgtga 546

<210> 21409
<211> 231
<212> DNA
<213> A.fumigatus

<400> 21409
gacgaggtgc accccgctat cgtgggtatc tcgcgcattt ggacatcggg ctcatctcga 60
cggagaggga tcgccatgga tcttcttgat tgcgttgtga ccaactttat ctatgggatg 120
gagattccca aagagcaggt tgcttttagc cagccgacag aaagtgggaa acgtttggca 180
caggcctttt tcggaccagg agtgcagtgg catgtctaca acgaaagcta g 231

<210> 21410
<211> 339
<212> DNA
<213> A.fumigatus

<400> 21410
ctattatctt cagaagtcga ttttgcagat acaaacccct tgctcaagcg accagcggaa 60
actgaacacg cttttgacac cgacaagaac cagaagcctg cacccgccag gccaagcatc 120
aacggaaaga gtcataactg gttcgcgcgg gtcttccaga tcaaaccagc aacaagagta 180
gttgctctca acacatcaaa gctcaaaggt cgaaaggacg ttttgaagct cctgcgggaa 240
tggaaacagt ttggaatgga ggaggcgtac ttggacaaag ccaacggtgt cattcgtgcc 300
aaagtgggcg aagtgaactg taagtcagaa cctggatga 339

<210> 21411
<211> 207
<212> DNA
<213> A.fumigatus

<400> 21411
cacgagtgcc taagtccggc cgtccggaga tccaatggta tattagctat ctttagggcg 60
acctcgtcga ggggtacaag cacaaaacac caggtaagtg tcgaaatgaa gtacgtccaa 120
cttggatcaa gcgggctgcg cgtctcgccc atctgcgtgg gctgcatgag ttaccgcagc 180
cccgagaaac gcttcgactg ggcacta 207

<210> 21412
<211> 261
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (3),(5)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21412
acngnttctt ccctcaaatc ggttattctg gcatggttct tattctggcc cggtgtgctc 60
atcaacatca tcgtcggtgc cgaggtgcct catgtcacgg gccaggcata tctcgatgat 120

aagacggtgt ggcgcacttg gaataaccag accggctggt caagcaacgg cttgttcttc 180
gttgcaggaa tgctcaatgg tgcttacagt gttggcactc ctgactgctt tagccacctt 240
gcggaggaaa tcccacggta g 261

<210> 21413
<211> 510
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (23)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21413
tataggccca gccgcaacat ccntaaggcc gtccttgctc agatgtctgt cggcttcgtc 60
accggtcttc tctatatgat cgcggtcttc tattccatca atgacctcga cttggtcatg 120
agcaatccct acggtttccc tctcgccgag atctaccgcc aagccacggg tactcggagt 180
ggctcccttg gattgctgat cgttgccttc ctgcccactg tcatcacatg tgccggttgc 240
tacatcaccg ctggtcgtac cttgtggacc atttctcgtg ataaagcgac ccccttctcc 300
ggctggctgg gacgtatcaa tacccggatg cacaaccctt tcaacgcaac cctggtctgt 360
ggtgtgatta ttaccatcct ggcttgtatt tacgtcggat ccaccaccgc tttcaatgcc 420
ttcgtcggct gtttcgtgca gctgtcctct ctttcctacc tcgccgccag ttttcacaac 480
ggcgtggaga tccggcatgg ttatcgccat 510

<210> 21414
<211> 243
<212> DNA
<213> A.fumigatus

<400> 21414
tgttcagcta gaacatggat taggtccagt aaaacctcag agattacccc tctggtcaag 60
agcaaaaggg cgaatgctac cttactatcc ctcggaaata tatttagtaa gctacctaat 120
attcaacagg accatcaagg agcatttagc gactctccac tatcatctca aaccgcagaa 180
ctcgctgatg agatcttatc gatcaagtct atgacacaga gatatatgtc gatctgggaa 240
taa 243

<210> 21415
<211> 213
<212> DNA
<213> A.fumigatus

<400> 21415
agacctttg tactccttat ctactcatca gttaccaccg ccttcccggg tactcatctg 60
aggcaccaca tcatctccga cggtcgccac attggtcgta caccctacct cctcgtttcc 120
tctcttccat tgacctcacg agtgatcccg gctgctgcaa tcctcgatct ttcatatctc 180
tacgacattc aaaagaccgt tgacacgact tga 213

<210> 21416
<211> 324
<212> DNA
<213> A.fumigatus

<400> 21416
aatataccag atgagtggtt gagtgccgct atggatgccc atgaactgtc gtttcgcgat 60
ggtcacggat cctccacctc gactatgaaa gacgggtgtg cctcggcgga gaaaccgcat 120

tacctcccag gagattcttc ctttacatct gtatttggcc catctgagac cgtcgaagac 180
gttgaaacgg agcccggatc gacacaggac aagccccaca gtttcaacac ccaaaaacca 240
atacgtgaaa atctggctgg caagaacgtc gcacctttcc tagccaggca tatccccgaa 300
cagtacgctc ctcttggttc gcaa 324

<210> 21417
<211> 489
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (76),(105),(111),(115),(235),(240),(247),(252),(419)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21417
gagaggggggg aacagaacca agggagacgg gggaagcagg aagaggaagg aagagcggaa 60
accggggaac ggcagngcga gagagggaaa aagcacaccg acaanggagg ngaanagacg 120
aaaagagggg gggaggagaa caaagagcaa agaagagcgg agaaagaaac gaaagaaggc 180
agagaaccaa aagggagaag aaggaaacca cccacacaga acggggaaag agggngcggn 240
gaagaanggg gnggacacct tcccattcaa actccccatt cccgtgtttg tcaaccagcc 300
ccttttcatc catcctacct tcattggcat tccattcgcc atcctgaggc ctatattgat 360
acttccgata cccttcttca cacccgcaat aaaccttcaa atacctaccc tcaacacant 420
acaccgctgc aacgcaatgc cttcgccatc gcaactccga cactgcatcg tattagctgg 480
ttagtttag 489

<210> 21418
<211> 486
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (78),(107),(113),(117),(237),(242),(249),(254),(421)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21418
gagagagggg ggaacagaac caagggagac gggggaagca ggaagaggaa ggaagagcgg 60
aaaccgggga acggcagngc gagagaggga aaaagcacac cgacaangga ggngaanaga 120
cgaaaagagg gggggaggag aacaaagagc aaagaagagc ggagaaagaa acgaaagaag 180
gcagagaacc aaaagggaga agaaggaaac cacccacaca gaacggggaa agagggngcg 240
gngaagaang gggnggacac cttcccattc aaactcccca ttcccgtgtt tgtcaaccag 300
ccccttttca tccatcctac cttcattggc attccattcg ccatcctgag gcctatattg 360
atacttccga tacccttctt cacacccgca ataaaccttc aaatacctac cctcaacaca 420
ntacaccgct gcaacgcaat gccttcgcca tcgcaactcc gacactgcat cgtattagct 480
ggttag 486

<210> 21419
<211> 468
<212> DNA
<213> A.fumigatus

<400> 21419
ttatggttcg gtgtgttgaa atgtataagt agaatgtata tcccatggtc gcctactgag 60
gcggcatggc tttttcccta ttttctattt cctactactc gtactttccc gccccctcct 120
cctctttctt ctcttaccac gtctatcttc tctcctttcc tctcatcgtc ttctgcctac 180

tccctttgtg ctctcttctc ttctttttcc cggttcacct ccttttctct ctctccttcc 240
ttttcccccc ctgtttcctt ctccctcctc ttcctcccct cgtcttcctc tcttctcctg 300
ttcttgctgt ttttcttccc ccttctcact ttgcgccttc ctttcttccc ctctctctct 360
ctctcttttc ttcctcctct ggcctcttat tctcttgtca cccttctcca ttctccactc 420
atcctcgttc atcccacttc tatctccctt tctcgctctc ccatttag 468

<210> 21420
<211> 441
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (60),(75),(80)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21420
gcgaccatgg gatatacatt ctacttatac atttcaacac accgaaccat aatcagagan 60
aacgatctga ccgangaaan ctttcctact accaccgtat ccaactattc caccaataat 120
ttcaccatga atgccgtagc atcggcccaa ccgtgtctca acgatggcca gtgccactac 180
gccatcaact ggctgagcat ccttgcaatg aggaatacca tcagtcccct ggtgtcgggg 240
ttcggaatgt tgcccgtctc gaaccggcca tacttcacct cggataccct gcgcgcactc 300
tacggcgggt ccggcaactt gacccagatc aatgggacat tcgcttccat cgccgcggcc 360
cttaccgcaa atgcccggaa tcgcgtttgc cagggagccg tgcttggcga cgcgtggacg 420
catgtatcat acatccgtta g 441

<210> 21421
<211> 453
<212> DNA
<213> A.fumigatus

<400> 21421
ggcggcggga tctgcgatgg gatcgcgcgc aacgccacag cgggttcgta tggcgcgtac 60
agcgtctgca cgagcaagga ccagctgtcg tatgtgttcg atcggtacta caagagccag 120
aagaaggctg cctcggcgtg tgactttgcc ggcgcggcgt cggtgcagtc acccaagggt 180
gagtcggccg attgtaagtc gctggtcagc caggctggtt ctgccgggac ggggacggtc 240
acgtcgcagc cgacgggggg aagtgaatcg accggaggag gaggaggagg aggaggaggt 300
ggtggtggtg gtggtgctgc ggcgagtacg tctacgtcca agggtgcggc tgcgggtgct 360
gcgagtcctg ctgctgtccg ggtgggcggc tggcctttgg ttacgtatgg tcttgttgct 420
gccatggctg gtattttgat gatttctctt tag 453

<210> 21422
<211> 324
<212> DNA
<213> A.fumigatus

<400> 21422
ccaaaaaagg ttctggttct atggcttgtt gctacaacag acccctcagt catttcaaca 60
ttcacaatta agattatgaa gcgcaaatct gctgcaaact tttccgatac aggggcaaaa 120
cgggccccca gacaagatcc ggtgtcctgc gaatcttgcc ggcgaaagaa gctcaaatgc 180
aatcgtcagc gaccatgcag tagctgtgtt actcgaaggc tgtcctgcag ctatggtata 240
tcgctggaga ggattgaacc agcgatagtt gaggtggaaa atgcaagtct tcaccacaag 300
gcgcgcagga tccgcgaaag aggt 324

<210> 21423
<211> 261

<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (5)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21423
gggcnacggg agcgcgtgtc cttccagccc cgtggtgaag atatagatga tgcggatgtg 60
cgtgcattgg atgagtacgt gtctgaggag caggctatgg aatctgcact gttggagatg 120
gcgcatgtgc cattcgagaa tacgggcaga acgcatgagg cgaattcctc gttcagtgat 180
gaggaggagt atgatgatat tttcatgagt ttggctgatc aaggaccgca gagccaggac 240
atggacatgt cgagtggatg a 261

<210> 21424
<211> 441
<212> DNA
<213> A.fumigatus

<400> 21424
cacatacaga ttctttttaa ttttccatac acggcattgc ctggaccttg tggttatagg 60
attacaacct cagagcagaa tagctgcgag cgtcagattg tctacactgt ggtttcacat 120
ggtatttctt acaagaatgt tcatggctat ggatccaacg atgtactagt cccctattgt 180
attgatcgca ctacgggatg ttcaggccgc ataaataatt atgagttgag gatgaggcca 240
tcgtgttgga tgcaaccatg gaacgtccag ccgagcttcc cgcctactgc acaccgcaac 300
attctagggg gcaacaagtg ctccatgagc ccgtaccagt ccactgacat tcgtacacaa 360
agtcaactgc ctgacaggta tttgttgtct gtaagccttc aatccacccg tcttcaccac 420
gggcgtggaa gtaccgcgta c 441

<210> 21425
<211> 447
<212> DNA
<213> A.fumigatus

<400> 21425
gaccagcaag acatttggac tgctgcatca tctcgatcat cagcctgcaa atatctccac 60
actacaacca caatcacaat ggccaccagg atcaagctcc tccccaatcc ccactaccgc 120
aagtcgggga ccaagtcgta tgtccacctc atgcggaagt accgcttcac cccaacaaag 180
ggtggacgat acttcctcag tagttctctt caccagacag gccggcagta tacacacctg 240
cctgttggtg gcagggctcg cattcagcac gtcctgcgca agcggatcgc ggataccgac 300
gagacaagcg acgtcggcgc cgacgatgtc cagaatgata ctatgtacct ggcgccagtg 360
agtatcggca ctccggcgca gactattcat ctggaagtgg acacgggttc ggcggactta 420
tgggtgagac actacgcatc tcgttaa 447

<210> 21426
<211> 210
<212> DNA
<213> A.fumigatus

<400> 21426
acaccgatga tcagatgcat tggttatgtc tcagactcgt catcaatctc atggacagca 60
ttctttgaac tagccttgcg cctgatccga tttcttttct atttttactt ccctctcaac 120
gccactcaga ccttcgattc atatctatta catccactga gcaggacaca gaccaaccac 180
ccggcaagct tcgctagtga gtcccattag 210

<210> 21427
<211> 513
<212> DNA
<213> A.fumigatus

<400> 21427
ctgatgagta cagatgcttt ggaccccgaa aacccggaca aaaagcacta taccaagatc 60
tgcggaatcc tcatcaactc gctcttctcc tcgaacgaat acattgccgt cgtgggaatc 120
ggcatcaacg ccacgaacgc ctctccaact acctcgctca atgcactagc ctctcgcttt 180
gtctccaaca aatccgctcc aatcacactc gagaaacttc ttgcccggtg cctcaccacg 240
ttcgaggagc tgtacacccg cttcctgcgg accggctttg accgggagtt tgagaccata 300
tactacgacg actggctgca catgcaccag gtcgtcacat tagaggaaga aggcggagcg 360
cgagctcgga tcaagggtat cactcgggat tatgggttgc tgctggcgga agagttgggg 420
tgggacgatc gacctacggg acgagtgtgg cagttgcaga gtgacagcaa cagctttgat 480
ttcttccgag gattggtcaa gaagaaagta tag 513

<210> 21428
<211> 570
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21428
naggcaattc tgcactcgct agagacgaac atgtcctatt atcattgctg cctgagcgtt 60
gccgcaatcc atctcaaagc cagtaatggc cggagttcgg acaagattga ccatgacatc 120
atgcgtcacc ggtatgaggc ggtgtctcaa ctgtgcagag cgctcaacag cgacaatgga 180
catgagcaaa tcttagatgc gacacttgcg atgatcgttt tccacggctc tgtgggctcc 240
ctggaagact atctccctga cattccttgg aacgggcatt tccaagccgg tgcaaatctc 300
gtcaacaagc tcgatctcgc ggacactggc ccttacactc aacctccatt cagcatgtcg 360
ctcgcctcgt ggattgacat cttgggcgcc acgatgctgc ggacaacccc gtatttctca 420
cacacctatc gcacaaaaca cctgagtggg acatcctccg ggctccgaga gctgatggga 480
tgtgatgacc gcatcatgta tctcatctca gagattgctt gcctagactc gttgaaagca 540
gatggcccta tcgacgattt ggctctgtga 570

<210> 21429
<211> 687
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (14),(63),(115),(120),(345)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21429
gccaggttca gcgntacggc gatttgtacg acggtgccat caccgggtgc cccggctttc 60
cgntatgccc agcagcaggt ccaccacgtc ttatcgtcgg ttgtggagaa gactntggan 120
tactaccttc ccccgtgcga actggccaag atcgtcaacg ccaccattga ggcctgcgat 180
cctctcgacg gccgcactga cggggtggtc tcccgcaccg acctttgcaa gctgcacttt 240
gacctttcga agatcatcgg ggagccgtac tactgcgccg caaagaccag cacctccctc 300
ggcttcggct tcagcaaacg ccaggcagcc ggcagcacga ccagntacca gcctgcacaa 360
aacggcaccg tcaccaagga gggggtggct gtcgccaagg ccatttacga cggtctgcac 420

aacacccagg gccagcgcgc ctacctctcc tggcagatcg cctcggaatt ctccgatgcc 480
accaccgagt ggaacaatga caccggctcc tgggagctga gcatcccgtc caccggcggc 540
gaattcgtga ccaagttcgt ccaactcctg gatctcgata acctgtccac tctcgacaac 600
gtcacctacg acaccctcgt cgaatggatg aacaccgcca tggtgcgcta catgtcttca 660
ccacgggggc ggaaggagcc gcgctaa 687

<210> 21430
<211> 579
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (73),(122),(174),(179),(404)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21430
ggatgccaag atctacacct attacgaagg atgctccgac ggtggacggg aaggcatgag 60
ccaggttcag cgntacggcg atttgtacga cggtgccatc accgggtgcc ccggctttcc 120
gntatgccca gcagcaggtc caccacgtct tatcgtcggt tgtggagaag actntggant 180
actaccttcc cccgtgcgaa ctggccaaga tcgtcaacgc caccattgag gcctgcgatc 240
ctctcgacgg ccgcactgac ggggtggtct cccgcaccga cctttgcaag ctgcactttg 300
acctttcgaa gatcatcggg gagccgtact actgcgccgc aaagaccagc acctccctcg 360
gcttcggctt cagcaaacgc caggcagccg gcagcacgac cagntaccag cctgcacaaa 420
acggcaccgt caccaaggag ggggtggctg tcgccaaggc catttacgac ggtctgcaca 480
acacccaggg ccagcgcgcc tacctctcct ggcagatcgc ctcggaattc tccgatgcca 540
ccaccgagtg gaacaatgac accggctcct gggagctga 579

<210> 21431
<211> 327
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (171),(220),(272),(277)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21431
tcaaatggga cgcaaagtac attttggctt accaggccct gggggagaga ccaactctcg 60
ggcaagacat tgacccgaaa tttctacgtt cgttctaggg atgccaagat ctacacctat 120
tacgaaggat gctccgacgg tggacgggaa ggcatgagcc aggttcagcg ntacggcgat 180
ttgtacgacg gtgccatcac cgggtgcccc ggctttccgn tatgcccagc agcaggtcca 240
ccacgtctta tcgtcggttg tggagaagac tntggantac taccttcccc cgtgcgaact 300
ggccaagatc gtcaacgcca ccattga 327

<210> 21432
<211> 939
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (640),(845),(846),(893)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21432
gcacttggta ctccaccggt ggtcgatacc acagtggcta tatcgtcgtc ccaatggcca 60
acggatctga aagtcaaaca gctcgccaat tttggaccta gtccctggat cgaaaatctt 120
gccgtccgac actcaggcga ggtcttggcc acccaaatgc tcgacccgcg gatattgcaa 180
gtcgatcccg atggaaaatt gccgcctata gtgatccata gctgggccga aggtgccagt 240
gctggcaagt atgacggtgt tttgggaatc acagagacca gacacgacga gttctatgtg 300
gccgtggctg ggcagtacga cgagaatatg aagttattac ccaactcgac caattacata 360
ttccgggtcg attttgatac tttggaggtg tcctcggcag gagaggtgct ctcaaatgcc 420
acagtggtgg aactcaccag ccttgatggc tctcagctgg tgaatggagc cacgacgctc 480
aacgaagacg ctatcttggt ttcagattcc tctaatggat gggtctataa ggtcgatgtc 540
cgaactggtg catatgatgt gattgttgat gacccttga tgaagaagaa ctcaggtgca 600
gaatggaaag ccggtgtcaa tgggatcaag gtcttcggan gatatcttta ctggaccaac 660
actgatgctg gtctcctggc cagaattaag attaatgatg acgggaagcc atgtggtgta 720
tccgagatcg ttgcttcaaa tctgactgag gcggacgact ttactctgga cgatcaccgg 780
acaccttatt ttgctctggg gcccttagaa aaagaaatcc gccgtggttc gttcctggaa 840
ggcanncaac aggctggcca cctgttgtat tgggccaccc accaccaaag ttntggaccg 900
gcaactttgg tgaaccatca tccaaccggt ccttcccctt 939

<210> 21433
<211> 471
<212> DNA
<213> A.fumigatus

<400> 21433
cggacgaaga ggggtactcc ttcagcgcca acggaacttg gaggaaggag aggaatacgg 60
gggcgaaaat gggtggtgct catggtgccc ggcggcattt acgagtcacc cggcagttgg 120
cagggacgaa ttagatcgcc gatcggagag tcaaggcgag cagactcacg caggcctgat 180
gtgcacagat tccgaatcaa agttcatgct ttcgaagata cccggtacat catgataggg 240
cccacgttgg agtacagcga gtttgaagcc aagatccggg agaaattcgg ctttcgctcg 300
cttctacgaa tccgaatgca ggatgaaggc gacatgatta cgatggtgga tcaggaagat 360
ttggacctcc tactgagttc ggccactgag gcagctcgga aggaaggcag cgagatgggc 420
aagatggagg tgagtccgat cccacacgtt tgtgaaacga cccgtaacta a 471

<210> 21434
<211> 234
<212> DNA
<213> A.fumigatus

<400> 21434
ttaagtcgca gattggagcc agatttcaac aagaatattc aattagatgt tcctgttacc 60
tgttctggat cctttgtgtt ctataccaca ttcacacccc tacctcaatt ctctgtcgac 120
cctgttccga cccctgaacc agcaagaaca cctgattact acgtcgatgt cgcacctagg 180
ttgacccttc gtggtaaaaa attgcctctc aatgcgctct ctatattctc cgtg 234

<210> 21435
<211> 198
<212> DNA
<213> A.fumigatus

<400> 21435
gcccccggcg ccggcttcgc aacccgcaac ccatcacaac tcaacaccct ttcaaccggc 60
atctcaaccc ccgccctggt aaaatacccc cggacacgct ccacatcccc agtcgtaaga 120
caccacacct caaaccctgc gctgcgcaac ttctccaacg cagggaccag ctccggacgc 180
agctgcagcg acgcatag 198

<210> 21436

<211> 291
<212> DNA
<213> A.fumigatus

<400> 21436
cgccctccac catctccacc aacccctctg caacaacctc caagctctcc ctctcaaaca 60
cctcccagca tccctccccc tcaagcacac cgcagtatgc cccccgaaac cccgccctca 120
ccgcagcaga cacatcccac agatgcgccg ccgcaaacca cttctcatcc tccccccccag 180
acccaatcgt ctcaatcgca gcccgataag cccccggcgc cggcttcgca acccgcaacc 240
catcacaact caacacccct tcaaccggca tctcaacccc cgccctggta a 291

<210> 21437
<211> 483
<212> DNA
<213> A.fumigatus

<400> 21437
gtggcgcagc ctcgcaggtt ctttacagag gaggagcggg atgcttttct cgccggctat 60
gcgtcgctgc agctgcgtcc ggagctggtc cctgcgttgg agaagttgcg cagcgcaggg 120
tttgaggtgt ggtgtcttac gactggggat gtggagcgtg tccgggggta ttttaccagg 180
gcgggggttg agatgccggt tgaaagggtg ttgagttgtg atgggttgcg ggttgcgaag 240
ccggcgccgg gggcttatcg ggctgcgatt gagacgattg ggtctgggggg ggaggatgag 300
aagtggtttg cggcggcgca tctgtgggat gtgtctgctg cggtgagggc ggggtttcgg 360
ggggcatact gcggtgtgct tgaggggggag ggatgctggg aggtgtttga gagggagagc 420
ttggaggttg ttgcagaggg gttggtggag atggtggagg gcgttattca actgtctggt 480
tag 483

<210> 21438
<211> 372
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (364)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21438
caatcatcat caacaacaaa tcaatcactc gaactcgaat cccgttccaa acccaaaaac 60
cttgttttaa accaccccta cagatcacac aaaatgcaga tcaagagctt cgtcctcgcc 120
gcttcagccg ctgccactgc ctccgcagcc gcctgccagg cccctactaa caagtacttt 180
ggcattgtcg ccatccactc tggcagtgcc gtccagtacc agccctttag cgctgcgaag 240
agcagcatct tcgctggcct caactcccag aacgccagct gcgaccgccc cgacgagaag 300
agcgccacgg tccacatccc aggatggctc cttattcagg cccggccctg gaagatatcg 360
attnccccc cc 372

<210> 21439
<211> 246
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (94),(201),(202),(203)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21439
tgcggccaga atctccttct tcagccatcc gactgctcgg tccttgaccg ccagcagatg 60
ctcgtcctct atgaccctgc ggatgacttt gaancgggtg ctctgacaag gatggctgtg 120
gacaatgact tcggggagct gccggatgat actgtatgtc tgccgagtcg tgcaagcagt 180
cactgcgaga agaagaatct nnnattcctg gtcgtctgtg ggttctccca tcgcgttgtt 240
acgtaa 246

<210> 21440
<211> 654
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1),(108)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21440
nagattcttc ttctcgcagt gactgcttgc acgactcggc agacatacag tatcatccgg 60
cagctccccg aagtcattgt ccacagccat ccttgtcaga gcacccgntt caaagtcatc 120
cgcagggtca tagaggacga gcatctgctg gcggtcaagg accgagcagt cggatggctg 180
aagaaggaga ttctggccgc atcagctcaa tcctccaata acgccacata catcttcctc 240
aaccctcact atttctctgt tctattcccg ctgcttttca actcagccga tttacttctc 300
aacgtatcca ccgacatcgc agcatcgtgg atccaattct ctcagacact agctccatcc 360
atccacgcag cattgagcct gtactacatc ttacttcaat cttcgacgct ccggacgcag 420
ttgcagctcg agaagaccta cccttacttc cgcagccgat tcttggaacc cctcaagacc 480
ctctgtcatg cctttgagac ggagatgacg cagaacggcg gtgatggccg catcgaggcc 540
gctgtcggag aggagatgtc tcagatcggc atggcccgct ccgtagggct catctcgcat 600
gtcgtcgaac gggtcgaaga agagcgtctt caccacgggg tagagatcgc gtgc 654

<210> 21441
<211> 552
<212> DNA
<213> A.fumigatus

<400> 21441
gacgatatcg atgacgaaca agtcatagtt agaggttttg ctggtaatgc agtacgtact 60
gagcgcggaa tacagtatct cggcaagcga cttgcgaaat acgtattgtt catgacatac 120
ccagatcaac cctacaggcc actcaaacaa tctagaacta aaacattcac tgagtcactc 180
ggtgcatgga agactgcgaa ggtaagcgtt attaacgacc cttctgggtc tcgaactcgt 240
gcagatgagg cagaagacga gcatcgttat taccagatta cgagtattag ctttatcggg 300
cattctcttg ggggtttagt tcagacgtat gccattgcat acattcagaa acattcgcct 360
gaatttttca atctgatccg ccctgtcaac ttcatcgctc tagcgacacc tttccttggg 420
ctcagcaatg agaaccctat gtatgtccgc tttgctctcg atctcggcct tgtcggccgg 480
acaggccagg atctagggtt aagctggact gctccccgag gtcttcacga cgcggctgga 540
aaatacacgt cc 552

<210> 21442
<211> 816
<212> DNA
<213> A.fumigatus

<220>
<221> unsure

<222>
(7),(8),(9),(10),(11),(12),(13),(14),(15),(16),(17),(18),(19),(20),(21),(22),(23),(24),(25),(26),(27),(28),(29),(30),(31),(32),(33),(34),(35),(36),(745)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21442
aacatannnn nnnnnnnnnn nnnnnnnnnn nnnnnngaag actactctga tcagttggcg 60
aaggacgcct atcaatccgg ggcgtatgac tatatggaca ttgtcgcact ttctgccaga 120
caggtcatgg gagcaacgac attctctggg acccccgatg acccaatcct gttcctgaag 180
gagatctcct cgaacggcaa tttccagacc attgatgtca tcttcccttc gttccccttc 240
ttcatgtata cgaaccctcg ctggctagcc tacctcctag agccgttaat cgagcacatg 300
ctcagtggac agtaccccaa cacatacgct atgcatgacc ttggggccca tttccccaat 360
gcgactggcc atccggacgg ccgcgatgag tacatgccag tagaagagtg cggcaacatg 420
ctcatcatgg gcttggcaat ggtgaactca ctccggtata ccaacgattc ggcggcttct 480
tcgatctggt ccacactagg ggttcccccc aaggtctcgg aaccacacac cggatacttc 540
cctctgggtg agctgcaggc cttgtccgga attgatcaac aagacggcaa atggggcggt 600
ggcgcggaag gcgagcgtct cgctgagaaa tgggttcagc gcagctacag gctctggact 660
caatggacgg gctacttggt ggaatactca ctggaacctg ccaaccaacg taagagaaat 720
gcctgtatct ttcctcaagc actanagctg atctgcgtta gtctccacgg acgatttcgc 780
cggatggctc gcactgcaga ccaacctggc aattga 816

<210> 21443
<211> 510
<212> DNA
<213> A.fumigatus

<400> 21443
gactgggtga catctaacca cgagtctctt cacatggttc tgctgcagtt cagtgacttc 60
ggcaccatgt tcaactggcg ctccttgagt gggtatatgg gtcatgccta caagtgggtt 120
atgccgaatg gctccttcaa atatgtgcac atattcctgt cctcggaccg cggacccaac 180
ttcagccagg gcgaacaagc caaagacaac tccgatctcg accctgacca tgctacacgg 240
gacctgtacg aggccattga acgaagagac taccccacct ggacggccaa tgtgcaggtg 300
gtggatccgg ccgaagctcc cgatctcggc ttcaacattc ttgatgtaac caagcactgg 360
aacctgggca cctaccccaa ggatcttcca aagatccctt cacgtccatt cggaaagttg 420
acgctgaatc gcatcccgga taacttcttc gccgaagtcg aacaactggc ccttcctccc 480
cttccaatat ggtgcccggc gtcctgccct 510

<210> 21444
<211> 669
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (655)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21444
tcttttgtaa ctctctgtag gctctgcacg ggtgccatcc tcgccttcac gagtatctgc 60
tcgaccttcg actcggccgt cttctccagc tccaccggga acgtcgcgcg cgtgttcggc 120
gtcggcgtcg aggtcgccac gctgtcgagt tcgctgtata tcctcggcta cgcctgcggg 180
ccgctgatct gggcgccctt ttccgaactg cagggccgcc ggctgcccat cctcatcggc 240
atgctggggt tcgggatctt caatatcgcg gtggccgtcg caaaggacct ccagacttta 300
ctgatctgcc gcttcttctg cggcgtcttc ggcagctgcc cgctcgccgt cgtggccgcc 360
atcttctccg atatcttcga caaccgctcc cgcggcatcg ccatcgccat gttctccagc 420
atggtcttcc tcggcccgct cctcgccccg tttatcggcg ggttcatcaa catgtcctat 480

ctgggctggc gctggaccgc ctacctcccc gccatcatgg gcttcgccgc cctcatcctc 540
aacttcttct tcctcaagga gtcctacccg cccgtgatcc tcatctacaa agccgccgag 600
ctccgccgcc gcaccaagaa ctggggcatc cacccccatc atgatggaaa tctanttcca 660
cctgcatga 669

<210> 21445
<211> 435
<212> DNA
<213> A.fumigatus

<400> 21445
aactctggag gaacttggag ctcgaactcg tccctgacga gggtctcgac cgaagccggc 60
gacagcaggt tgacccccccc atcgccagcg agcacccgga agatcccccc ccccaactta 120
tccccctgca cactatgtcc ccccccgtac ccctgcggct ccccctcccc cccacccgcc 180
ccccgccccc ccccactctc ccccccgcgc gcccaccgcc tcccccacct cccccccccg 240
ccccccccccc tgatgacccc ctcaggaccg ccccctcccc ccccccccctc ccccccccccc 300
ccccccccccc ccccccccccc ccccccccccc ccccccccccc ccccccccccg cgcgcgcccc 360
ccccccccccc ccccccccccc ccccccccccc ccccccccccc ccccccccccc ccccccccccc 420
ccccccccccc ccccc 435

<210> 21446
<211> 525
<212> DNA
<213> A.fumigatus

<400> 21446
aatatcgcga cggaagcgca tatgatatcg tcccgtattc ggttcgatgg agagcaactt 60
atgtcttggt ggcgcccccc ccttgtagaa ctctggagga acttggagct cgaactcgtc 120
cctgacgagg gtctcgaccg aagccggcga cagcaggttg accccccccat cgccagcgag 180
cacccggaag atcccccccc ccaacttatc cccctgcaca ctatgtcccc ccccgtaccc 240
ctgcggctcc ccctcccccc cacccgcccc cccgcccccc ccactctccc ccccgcgcgc 300
ccaccgcctc ccccacctcc ccccccccgcc ccccccccctg atgacccccct caggaccgcc 360
ccctcccccc ccccccctccc ccccccccccc ccccccccccc ccccccccccc ccccccccccc 420
ccccccccccc ccccccccgcg cgcgcccccc ccccccccccc ccccccccccc ccccccccccc 480
ccccccccccc ccccccccccc ccccccccccc ccccccccccc ccccc 525

<210> 21447
<211> 759
<212> DNA
<213> A.fumigatus

<400> 21447
gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 60
gggggggggg gggggggggg gcgcgcgcgg gggggggggg gggggggggg gggggggggg 120
gggggggggg gggggggggg gggggggggag gggggggggg agggggggcgg tcctgagggg 180
gtcatcaggg gggggggcgg gggggggagg tgggggaggc ggtgggcgcg cgggggggag 240
agtgggggggg gcgggggggc gggtgggggg gaggggggagc cgcaggggta cgggggggga 300
catagtgtgc agggggataa gttgggggggg gggatcttcc gggtgctcgc tggcgatggg 360
ggggtcaacc tgctgtcgcc ggcttcggtc gagaccctcg tcagggacga gttcgagctc 420
caagttcctc cagagttcta caaggggggg gcgccaccaa gacataagtt gctctccatc 480
gaaccgaata cgggacgata tcatatgcgc ttccgtcgcg atattctagc cgatccgcct 540
agcgacgatc cggcggccaa tgcagccgtt gcggagttga acgccattct ggacaagcag 600
gataccgtgg gacagtcttt ctccgaggat gtcttcaagg agaatgttat ccttctgatg 660
gacaatgcgc ggtttttgca ctgccggacg cagattaagg atcccagacg gtttctgagg 720
cgcattcggt ttaatgggac ccctggagcc cgcaactag 759

<210> 21448
<211> 528
<212> DNA
<213> A.fumigatus

<400> 21448
ggggggggggg ggggggggggg ggggggggggg ggggggggggg ggggggggggg ggggggggg 60
ggggggggggg ggggggggggg cgcgcgcggg ggggggggggg ggggggggggg ggggggggg 120
ggggggggggg ggggggggggg ggggggggagg ggggggggga ggggggcggt cctgaggggg 180
tcatcagggg ggggggcggg ggggggaggt ggggggaggcg gtgggcgcgc gggggggaga 240
gtgggggggg cgggggggcg ggtgggggggg agggggagcc gcaggggtac gggggggggac 300
atagtgtgca gggggataag ttgggggggg ggatcttccg ggtgctcgct ggcgatgggg 360
gggtcaacct gctgtcgccg gcttcggtcg agaccctcgt cagggacgag ttcgagctcc 420
aagttcctcc agagttctac aaggggggggg cgccaccaag acataagttg ctctccatcg 480
aaccgaatac gggacgatat catatgcgct tccgtcgcga tattctag 528

<210> 21449
<211> 786
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (569)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21449
aaggtacgga cctgcctttc ccgtcagcta ctaccccaag ataaggatgg ggatgaagac 60
gaggatgttg atgctaattt tatgttcata gaatggaaca accaagctca atcgaacagc 120
acccggaaac ccatgccgga gggcggcttc ggtgggttat caagacgcag cggaaagaaa 180
cccgtcatct gcgctgtcaa cgggctgtgc cttggaggcg ggtgcgagat ggtcgtcaac 240
gcggatatag tcgtggcgtg tctgcaggcg tactttgggc tgccggaggt gcaccgcgga 300
gtggttgcca tcgcaggggc gttgccgcgg ttggttcgta cggtgggacg gcagcgagcg 360
atggagatgg ctttgacagg gcggaaagtc tcggcagagg aagcgaaaga ctgggggttt 420
gtcaatgacg tggtggatgc ggcacaccac gtggtgaaac gggccgtcga gatctccgag 480
ctgatcgcgg ctaataatcc cgatgccgtg gtggtaaatc cggaacgcat caattttggc 540
tgggaaggga tctgtgcaca aaatagcant cggttggtcg tccatacctg ggccaatatg 600
ctatatgagg gggaaaatat caaggaaggt ctgccccccct ttgttcaaaa aaggaaaccc 660
acattgggtg gacaccaatt ttgtaatatg aattctattg cgcccggttt cttccatttt 720
atgcctacga acaacgaact tcctccctac aaactaacag gggaagaaaa aaatttccat 780
ccaaaa 786

<210> 21450
<211> 537
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (76)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21450
acaaaggggg gcagaccttc cttgatattt tccccctcat atagcatatt ggcccaggta 60
tggacgacca accgantgct attttgtgca cagatccctt cccagccaaa attgatgcgt 120
tccggattta ccaccacggc atcgggatta ttagccgcga tcagctcgga gatctcgacg 180

gcccgtttca ccacgtggtg tgccgcatcc accacgtcat tgacaaaccc ccagtctttc 240
gcttcctctg ccgagacttt ccgccctgtc aaagccatct ccatcgctcg ctgccgtccc 300
accgtacgaa ccaaccgcgg caacgcccct gcgatggcaa ccactccgcg gtgcacctcc 360
ggcagcccaa agtacgcctg cagacacgcc acgactatat ccgcgttgac gaccatctcg 420
cacccgcctc caaggcacag cccgttgaca gcgcagatga cgggtttctt tccgctgcgt 480
cttgataacc caccgaagcc gccctccggc atgggtttcc gggtgctgtt cgattga 537

<210> 21451
<211> 279
<212> DNA
<213> A.fumigatus

<400> 21451
actctcctgc ccccggtggc aaatcctctt cgcaaattcc ctccactcgg tgtccttcat 60
ccacgtctat cgtcccaaat tttccaagtg accattatgc ttatgtaccc ttctgtacgt 120
aagggtctca tcactgaacc aacttctgca ccttttatcc accagcagga ccctgtttgc 180
atacaagacg atctgttcat cccagacttc tctcagcaag accctacact gcagtgtttc 240
tacgtcttca ccacggggtg taaggagggc gttcgataa 279

<210> 21452
<211> 561
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (219)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21452
acattctctg tttcggatcc gtcgacgcct gtggagaaga cttctagaga tctaggtgag 60
aacctcgagg cgaagttctc tgacatcttt gccctgttca gcaagagcat ccgcgacccc 120
gagagcgagg aagtccgggt caacaccctt ctggccctga gcaagcttgc catgcacctt 180
gactccgagg aggatgttgg ccccgttagg gcattccang atatcgttcc ctccatggtc 240
gcagtcctga aagactcgat cgaccagaag caggaggacc gtgttatgca ggcctttgag 300
gtcttccaga ctctccttgg ctgtgaccct gccctcctga ctgtccacct taaggacctt 360
gttatcttca tgaacgagct tgctgccaac accgaggtcg acgaggatac tcgtactcaa 420
gccatcagct tcctgatgca gtgcgttcag taccgtaagc tcaagatcca gggcatgcgt 480
attggcgagc agctcacccg caccgccctg cacatcgtca ccgagctcgg tgacacttcc 540
tcggacgatg acgatatcac t 561

<210> 21453
<211> 192
<212> DNA
<213> A.fumigatus

<400> 21453
ttggagtgct ggagcatttg ggatcagaat ggatatagcg tctccagtct cggagtttta 60
gatctgatgg cttatctgcg tgctacggag cgccaggatc tgcccgacat taacaatttg 120
ggacgccctg caagtcattt tctgattgtt ggacaaatgg ggttggatcc acgatggacg 180
aagtctggat ga 192

<210> 21454
<211> 183
<212> DNA
<213> A.fumigatus

<400> 21454
caaaacatgt tcatcactcg cggaatcccc cttgtcaact tcgcagtggc ctcctcggcg 60
ctcgcgttcc aggtcttcgt tctctaccca tggcataatc aattagatgc cgagttcaag 120
tcgctgaaag aggaacatat tcgagtgctg aaccgcatga gtcagaggac gatttctcag 180
tga 183

<210> 21455
<211> 534
<212> DNA
<213> A.fumigatus

<400> 21455
cgcacgtgta tcttccaccg cgtggtgaag accaccgagc aatgctttcg tttcagcgtg 60
catcaggtca aatccgcaca agagatgcgc cagataatcg gcgaaagtca gacctcgctg 120
aacccggaac atggcccagt ctttactgtg gatctattcc accatggcgg agagcagtcc 180
cttctcatga ttgggcatca cttggtcctt gatcttgtct cgtggcggat tatcctggct 240
gatatggagg cgatgattct tgaccctcaa caccagcccc atctcacaat gtctttccaa 300
acatgggctc atctgcaggc cgagtacggc acacgtcatc tggaaccgcc acccggtcag 360
cagccctgca gtatcgacga gccctccatg cgacagttct ggggggcgga gaacaacgca 420
aacacagggg gagactccaa gaccaggttg atccgtatga acgacgacct cacgaggaag 480
ctctttggcc catccagcca ggctctggac gtcgaaccgg ttgagctcct ccat 534

<210> 21456
<211> 234
<212> DNA
<213> A.fumigatus

<400> 21456
ataactggcg acgcattcac aggtgtggcc ttcctccgga acgccatcag cattgggatc 60
ccgtttgcga ttagtccgtg gctagagcgc tcaggcgcgc agaatatgtt cctcacctac 120
aggtttgtca gcttggcagt tacgttgact attattccga tggttctgta tggaaggaag 180
atgcgtatgt tgactgcggc tcggtaccgg gttatggctg gtttacgaga ttag 234

<210> 21457
<211> 837
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (489),(595)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21457
atcgctttgt ttcttgacgt ggatgcgggt gggtctctct gcctgaggaa caaggcatac 60
tctgtagcag agcacatttg ctcctcccat ccccactatt ttcatcattg ttctccctgc 120
gattcccatc tcatccaaac atccacagcc gtgtcaacta cttccagaat gtcgaatcat 180
cgatccagcg atgctcttac attccccgat tcaagtaggg cattcctgga gccccatctc 240
ccgccaaaca gtaaaaattt ccaatcgcca gattctggtc tccccttcac cacactcacc 300
tttgctactt cactcgactc tgctctggcc ctgtcaccag gcgcaaaaac tgtactttca 360
gggccccaat caaaagcgat gacccactat ctccggtcgc gtcatgatgc tatcctcatc 420
ggggttggca ctgcggtggc agatgaccct ggcttgaact gccgcatcgc cggggttggt 480
ggctacggng gtcaaggtct acaaggacaa ccccgaccga tcgtcataga ccccagcgcc 540
cgttgggact tcaccgagaa ctccaggatt ctaacgctgg cccgggaagg tcggngtcga 600
gcaccgttta tcctcaccgg gacgcagtcc attccggcag gagaagaaag ctctgctgga 660

gagacccggc ggcaggttca tctctctcga cgtggtgaac ctttgaaaca gaggaccgtc 720
ccaggaactg gaacaacctt gttaaaggcc ctcaccaagg aaaggatgga aaagggtcat 780
gaatggagga agggccgacc ttatttaact ttttttttg aagcctttct taccaga 837

<210> 21458
<211> 537
<212> DNA
<213> A.fumigatus

<400> 21458
cacctcgatg acgtacatca aaacctcgaa gacgatcggc aagatgaagt caaggattgg 60
tttaaggtgc agatggaaaa ggcgaagcgc ttccagcctc tagctgtatt gaaccagaaa 120
ctaaaagggc tggacgtttt tgaatcgaac gagaaccatc acccgtccgt tggtgcaagt 180
cggcccgccg gggcccagac gggcaacaac gagccgccga gagtactgga ccccgaagac 240
atcattacga aggatcactg gcaagttcgc ggattgtatg atacctgtct ggagccgtcg 300
tgcggaaaac gcctgaatgc cacgaatggc tgcgttaact gtcgcaagtg cgggaagctc 360
ttctgcgagg agcataccat gtaccagatg aaattgtcta gatcggcgca gcatgagcct 420
gtgaggggct tgtggtatcg ggtttgtgag acctgctata aatcgaggga agggtataac 480
gaccataatg gtaggtgtct agtcttccac caccgcggct ggaaggaaac acgctgc 537

<210> 21459
<211> 480
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (459)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21459
agcagctggt ggagatcgat cgtccggcct ctgcgaatcg ccataattct cgataatgcg 60
gccaacatcc ggcatgctct gcaggtcctg gcgctgtctg gggcaccccg aacggcgttc 120
caccaaggcg agggaccctt tcctccagag aaaatgtccg agtatctccg agaccatccc 180
tatggcgact gcaccttgtt atattttggt acctgctacg gcgcgagcga agtccgcaaa 240
tggaagctcg agaccatcca ccgcgagttc atgaaggtcc ctgtcgcccg gcggatcgac 300
ccggcgaccc tcgcacccag cgactacttc tggtctcgca accggacctc cagcggcgag 360
ccggacctcg aagagcttgc gtgggtcaac tggtggctga atgggggcca tatcgcgttc 420
agtccggtgc ccccgatccg cggattttac ccagccgana ggcggcaagt acgctgccca 480

<210> 21460
<211> 447
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (427)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21460
tcgtggctgg taagtcaccc ttgtagcatg gccattgaag cttatattga cctgatatgc 60
ttcggttaca ggaacaccaa tggaacgctc aatttccagt cgcgtatcca caagctggcc 120
atctctttca agctggcacc aggtgcatct gctgagaatc cctcgaagcc gaatctacag 180
ctgaagtacc tcgacaccat tcttctgacc ggtcctgatg gcgagcccac cacaggcctc 240
gacgcatacg ccacggactc tgtctcgtac cgcggcttcc ctcctctccc cgcagccaca 300

tacactggcg atggcttcgg tggcgcacgc aatggaggga agaggatcac gatcgacgct 360
gagggtctcg tcctcgacaa ggacggcttc ttctgggtct ccgacgagta cggtccctac 420
gtctatnaat ccaacaagca cggcaag 447

<210> 21461
<211> 243
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (152)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21461
atcaatgatg gtttaactcc tgatcctcag aacgatatca acagcaagta tggacagctc 60
cctaaagtga agtcccaaaa gagatatctt catggctttg ctcagacgcg ggatgtcatt 120
caggcacaac cttatcccgt cggggaagat cnaactaccc caaatttcgg tcggctctcg 180
tccgaaaaca agttatttat tccttggctt cacaaccacc aaagtgatgt tttcaaaatt 240
tga 243

<210> 21462
<211> 198
<212> DNA
<213> A.fumigatus

<400> 21462
atgaacgagc aaacagcggg tcgagagacg cgggttgaga tgtgtttaat gtccgtttct 60
gctgacaccg acgcagggat tgatgacgcg atctgccgtc tgcgtgtggc ttatgagatc 120
ctttccttga ttaatcaaaa tatggatcac ggcctgatgc ttgaattgta cagcttcact 180
gtcgctcggc cgatgtga 198

<210> 21463
<211> 864
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (850),(851)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21463
cattttcaca ttcgggggag gcagcatttc aacggcccgc ccttggggca gattctggaa 60
tccatatggt gggcgggacc ggggaaactt gaatcatgga acgccagcaa aattcgccag 120
aaggcataca ttggactggg cgagacaaca ggagcgttgg aagaaggggc caaggaccag 180
ggcatcaatg gtacgtcttc agatacatgg gaaaatcgga ttcccgtgag tcgtgtcaca 240
acagatgcgg agggaaacac atatccagaa ggcggtttag aggcatggtt gggggtaatt 300
ggaagtttca tgggactttt agcgtccctt ggtgtggtca acacaatcgg cacattccag 360
gcgtatcttc aggatcatca gctgaaagaa tacagccctg gcaatgtggg ctggatattt 420
ggcgtctatt cgttcctgac cttcttttgt ggagttcaaa tcggcccagt attcgatgcg 480
aaagggcctc gttttctcgt tcttgccggc tctatcttag tcatggtaat gatgattgcc 540
ctagggttct gcactaaata ctggcacttc atgcttgtga ttggcattgc tggaggaacg 600
ggaacctctc tcatttttac gccggcgata tccgcagtcg gtcatttctt caacgagaaa 660
cgcggcgttg caactggtct tgctgctact ggaggctctg ttggtggcat agtcttccca 720
ctggtcctgg agactctctt tcccaagatc ggctggacat gggcaacccg tgttattgcc 780

ttgatttgtt taatcttgtt aatcggatcc tgcctgctgg tcaagtcgcg gtcttctccg 840
acggggccgn naatcagcaa gtag 864

<210> 21464
<211> 576
<212> DNA
<213> A.fumigatus

<400> 21464
ggctggctgc ttgcctttgt gctgttctta acaggggggac gagcgaacta ccagactgct 60
tcggacgcgt tacaagcgca cggggccgac tcggcgttgg gtagcacgag cacgagctcc 120
ggcaagcctg tcacgttgca gcaggtgctc ggagggcaat ggaatcctcg gtaccatgcg 180
atcgggtggg ttgcagggcc gaacaatgaa gacgggctgc ttgtcgagaa gggtggggat 240
gagaagcagg ggtacctccg ggtggacgat atcaggagtc gaaagggcaa taacacgggg 300
cgggagagca gggtgctgat gaggaagccc atcgtgcacg tggacgggca ggcgattgtt 360
cccagcaacg tctggccgag cccggacttg aagaaagtgc tgttgatatc cgagcagcag 420
aagaactggc ggcactcatt caccgggaag tactgggtgt tggacgtgga ttctcagact 480
gcgcaaccgc tggatcctag tgctccggat ggtcgagtgc atctacacgc cgggctggaa 540
ggaaacgcgc tcgccaaatt cctccccgaa ggggag 576

<210> 21465
<211> 258
<212> DNA
<213> A.fumigatus

<400> 21465
gaggtacttc tattagagaa ccccaccatg catgttcagc ctccctccga gaccgccgcg 60
gtcgacacca cactcctaaa agacgagacc atcaccacga cggtcgtagt acctgatacg 120
cctcctcccc caaccccccct accgctctac ttcgcgtacg gctccaacct atccttcaca 180
cgaatgcgca tccgctgtgg agacaaccct gacctctcct cgaagccagt tgccatctct 240
cggctggacc actggcgg 258

<210> 21466
<211> 210
<212> DNA
<213> A.fumigatus

<400> 21466
aaaggaatag actcgaggaa tgcctatgct cgtgtcctca tcaacacata tcatattctt 60
tccctcaagc aggtctacac cctctccaaa gttcaccaca aatggggctc aattgcaaca 120
acccccgtc gcccttattg ttcggcaata tcgagtgctc catcgatttc aacttttgaa 180
ggaagtaggc aaggcggatc aactgcctag 210

<210> 21467
<211> 255
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (17)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21467
gtaaacatga ctctcancag gctgaaggcc tgtcagggta tcactgtctc cgacctttcg 60
cctctggatt gtgggagata tccatcccaa cacgtaacaa atcgtcaacg tcgctcttca 120

ctggaatcac agaatgcatt cttgatttcc aacccagcat ccgacactga cctggatctc 180
ggaaatctat tttttaaaag tttcagcccc gctggctggc ttggcaatta tacttcctac 240
ctgttttgcc attaa 255

<210> 21468
<211> 597
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222>
(62),(571),(572),(573),(574),(575),(576),(577),(578),(579),(580),(581),(582),(583),(584),(585),(586),(587),(588),(589),(590),(591),(592),(593),(594),(595)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21468
gaatcaaatc tcgtgtcgca agcagacaca cccacgcaaa atctcggccg tcccgcgatt 60
cnccgaaaac gccgtcctgg gcgtccacct aagaatcgtc ctcccgactg ggatttggca 120
gacggcagtg cgccgccgcc agcgcattcg ggcacaccgg cgaaacgacg acgtggtcgt 180
cctgcggcga gtggtggaag atgggcgcgc aaccggggcc catcgcatgt tacacaggtg 240
ccgattgaca aggaagggaa catgatggat gtcatcgacg acgaggtagc gcttccgccc 300
gacccagagg gcgagaccaa ggtcgacaag aacggggttc tcaaggatgg tcgagaatac 360
cgggttcgca cgtttaccat tctcaaccgc ggagatcggt tgtacatgtt gtcgacggaa 420
ccggcacgct gcattggctt cagggattcg tatctgttct tccagaaaca caagcttctg 480
tacaagatca tcatcgacga tgaggccaaa cgagatctca tcgatcgaga gattatcccc 540
cactcctaca aagggcgtgc catcgtcttc nnnnnnnnnn nnnnnnnnnn nnnnnca 597

<210> 21469
<211> 771
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (691)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21469
gtgaagacgg tgtgtcgcat gcattctatt gcccttcagc tagagaacgg tatgcgcatc 60
gttgggctga gcgtgcctct tgctaacgcc cgtgacatcg gcgagtggat tggtgcgaac 120
aagcatacaa tttataattt cagccctcac gcccgccctg tgcctctcga gctccatatt 180
cagtccttca gcattcccca cttcccctca ctcatgctgg ccatggctaa accggcatat 240
cactcgattt tacagttggc tccggacaaa cctgcgcttg tgtttgttcc caatcgcaag 300
cagacaaggt caacagctat tgatctcttg gctgcttgcg ctgctgatga taacgaagac 360
cgattccttc acgctgatgt gaatgaactt gcgccactac tgaatcggat tcaggaacgg 420
acgctggcag aatcgctctc ccacggcatt ggatattatc acgaagctct tagcgctact 480
gacaagcgca ttgtctcgca tctcttcacc attggtgcga tccaggtcct actagcttca 540
cgcgatgtct gctgggacct gaatctcacg gcacatcttg taatcatcat gggcacacag 600
ttctttgaag gccgcgaagc acgttacatt gattatccta tcagcgaagt cctgcagatg 660
ttcggcaaag ctactcgtcc taaggatgac nagaatggcc gaggtgttct gatggtacct 720
tcagtcaagc gcgagttatt accaaaaaga agttccttaa cgaagctttg g 771

<210> 21470
<211> 192
<212> DNA

<213> A.fumigatus

<400> 21470
gtcatggtgg gaattgcaga ggctatccta gactatcaga gctattcggg gttgcgggcc 60
gagaccatgg tcatggggaa ggcgcagaac tcattgccca atgagaagcc tcataagttt 120
gtagctttaa taattctgtt tttgcttgtg gtcgaaaaga tcaacaagac tctaaagtgc 180
tgtgctctgt ag 192

<210> 21471
<211> 618
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (108),(129)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21471
acagcaacct tgaaaggcca agatgtagtc gttaacaccg tcggcaccat cccgcgagac 60
atccatctcc gattgatcga cgcagccatc gcagcacagg tccggcgntt catcccgtca 120
gagtttggnt cagacacaac caaccccacg gcagccaagc tcccagttta ccaggacaag 180
gtcgccatcc agaaatatct gcagcagaaa gcagccgagt cagcaggctc gttctcgtac 240
acgctcatga tcaatggccc cttcctcgac tggggtctga cagtcgggtt cctgctgaac 300
tggcgaggtc cagaagtaga gctatatgat gagggcgaac gaaagttcag cgcgacgacg 360
ctggcaggaa tagccaaggg ggtggtaggc ataatcaaca atctggaggc cacgacaaat 420
cgcacagtgt acatccgtga aattgaggtc tctcagagcg agctgctgaa gctctcgggc 480
aagcagctgc ccacaaagtc catcagcacg gaagagctgg agaaagaggg ttatgccgag 540
ctcgccaaac cgaacccgaa ccccagggcc gttgcgttga atttccgtct tcacacacgc 600
cgtgaaggta caacgtca 618

<210> 21472
<211> 594
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (218)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21472
aatgataatc agaaactctg gatcaatatg gtccccaagg aagtttctga cagtatcgac 60
gatcgcgaaa agaagcgcca ggaaatcatc ttcgagatca tgtacacaga acgtgatttt 120
gtcaaggatc tggagtacct gagagatttc tggatgagac cattgcgtgc ggccggcaac 180
gcaaaccaat cccccatccc ggagcatcgg cgtgaganat tcattcgaac agtgttcgga 240
aattgcttgg aagttctgaa agttaatggt gctttgtgtg aagccctcaa ctccagacaa 300
aaggaaagtc ctgtggtgaa aactgttggt gacatattcc ttcagcatgt acccaacttt 360
gacccttca tcaagtatgg tgccaaccag ctctacggta aatatgagtt tgagaaggag 420
aaggcatcaa atcctgcttt tgcaagattc gtcgaagaga ctgaacggct caaggagtca 480
cggaaactgg aattaaacgg ctacttgacc aagcccacca ctcgtctggc aagatatccg 540
ttgcttctcg cacaggttgt gaagatcgtg caacagccgc aaaaaagtaa tagt 594

<210> 21473
<211> 720
<212> DNA

<213> A.fumigatus

<220>
<221> unsure
<222> (3),(5),(10),(11),(14),(29)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21473
aanancgtgn nggngcgtca cccgccaant acacccttaa aggggccccc gcaccaaccc 60
atgctcagtg gaactccctc acctccgggc agcgcttcga gcgttgatgt catttcatcc 120
cctccttcgc cagaggataa tccgttcagc cccgcccagt caaccgccac cgatatcacg 180
gatgactatg gctggcagac tccaaccaag ggccaagcat tgtcgacggc aacagataag 240
gactgcctcg agtcctccca aagcgaagaa gaggacgact ccgcgggtga cgatgggggt 300
gacgatgagg gtgacgatga gggtgacgat gagggtgacg atgagggtga cgatgggggt 360
gacgatgatc gagcagggca tatcgcatca gccttcaatg ctccttcgcc gacgaaacca 420
ttggaacggt cgaagaaagc aaagagcttg agaccccgga tcagcatctc ttctctacgc 480
tcagaggatg ccaccaagtc ggtgttaatc aagcgaaagg agagttcaac gtctcctgtc 540
gatacttgtg catgggttct cgagcagggg aagttctccg agggattaac atggccgtcc 600
atactgattg gacagaagat acggaaacga tctcgccata tccggctcga gtactggact 660
tccgaacagg cgagcaacat ccattccgga tttttctgcc taaagggaat tggctcctga 720

<210> 21474
<211> 228
<212> DNA
<213> A.fumigatus

<400> 21474
tgcgatatgc cctgctcgat catcgtcacc cccatcgtca ccctcatcgt caccctcatc 60
gtcaccctca tcgtcaccct catcgtcacc cccatcgtca cccgcggagt cgtcctcttc 120
ttcgctttgg gaggactcga ggcagtcctt atctgttgcc gtcgacaatg cttggccctt 180
ggttggagtc tgccagccat agtcatccgt gatatcggtg gcggttga 228

<210> 21475
<211> 618
<212> DNA
<213> A.fumigatus

<400> 21475
attttggcgg tcccggaaaa taactggaat ccaaaatggg aatttcctcg ttccaataaa 60
ccttcgaaag gtgctccccg ttttcaggag ccaattccct ttaggcagaa aaatccggaa 120
tggatgttgc tcgcctgttc ggaagtccag tactcgagcc ggatatggcg agatcgtttc 180
cgtatcttct gtccaatcag tatggacggc catgttaatc cctcggagaa cttcccctgc 240
tcgagaaccc atgcacaagt atcgacagga gacgttgaac tctcctttcg cttgattaac 300
accgacttgg tggcatcctc tgagcgtaga gaagagatgc tgatccgggg tctcaagctc 360
tttgctttct tcgaccgttc caatggtttc gtcggcgaag gagcattgaa ggctgatgcg 420
atatgccctg ctcgatcatc gtcaccccca tcgtcaccct catcgtcacc ctcatcgtca 480
ccctcatcgt caccctcatc gtcaccccca tcgtcacccg cggagtcgtc ctcttcttcg 540
ctttgggagg actcgaggca gtccttatct gttgccgtcg acaatgcttg gcccttggtt 600
ggagtctgcc agccatag 618

<210> 21476
<211> 783
<212> DNA
<213> A.fumigatus

<220>

<221> unsure
<222> (106)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21476
ccaatacctg aacgttggaa attcggaata gttcttcgca tactagcgtc cctggcaata 60
gttcatattc cagggccgcg tcgggatgta tggtaccatg ccgaanatct cttcgtcgta 120
ttcttcttct acgggttgtg cacaaccata ctatcatatg tggtttcctt cgtctcgaag 180
tctcagcttg cagctttcgc aattgcagct ggcggacagt gcgtcttgtt cttgatttac 240
ttcatctcct acatgtcggt attgacatac gcacctaccc agaaagtgga tgagtacctt 300
gagattacgc actttaccat cggactcatt gcgccatccg gaaatcttct tcgagcaatg 360
ttcacttccc tgaatacgtt ctccatccta tgtcgaggac gagagatcgc ctcatacccg 420
ggtgagatca ctctctacgg aggcccaatc ctctatctga tctgtcaatc ctttttcctg 480
tttggattgc tgctttggat tgatggaggg cctgtgcttt ccatgatgag gaggaaagtc 540
aagcaggacc acgtggaaga gaagaacact gtcgatggag atgttgccgc tgaattagca 600
cgagtggaag ggtcaaccga cggactacgg gttctgcacc tgacgaagaa attcaagaag 660
tctgtcgcgg ttgatgacgt gacattcggg gtaccgaaat ctcaagtttt tgctctctta 720
gggccaaatg gagcaggcga aaacgtcttc accacaagag ggtcgccagg atccgcgcta 780
gtt 783

<210> 21477
<211> 255
<212> DNA
<213> A.fumigatus

<400> 21477
aatgaaacag tctcctccag cctcgccctc ttcgccatcc acaacctcat ccgccgcaac 60
ctcaaggcct gcgcagaaca cgcaatcaca gtgcaaccag cgaacatcga cgccttcgtc 120
acctacgcaa agtacaccct ccacgtcctc cgcgaccaac tcacctccgt cgacgagatc 180
tggttccccg tcttcgcgga gcacgatccc cgcttcctag cacaaaagga cgcacacgat 240
gccctgtacc acaga 255

<210> 21478
<211> 225
<212> DNA
<213> A.fumigatus

<400> 21478
agcacagaca ccagaatgtc cggctccacc atgtcgccgt ccatcagcac gcaacaagat 60
gaagagaagg ccatccaacc ccccgttgtc tctgacagcc cggctctgga gtcagctctc 120
ccaccagagg gcggacttcg aggttggcta tgttgcgctg gcggctccct aggtctgttc 180
gctacgttgg gcttcttgaa tgcgttgagt ccttccttcc gctga 225

<210> 21479
<211> 342
<212> DNA
<213> A.fumigatus

<400> 21479
aaatcttccg gtagaacctg ccgtacaacc agcgccttcc aacccatcgc gccccgtcct 60
tcgctcgact cggccacacc gaccaacccg gccgccagcc acgctgcgat ctcaccaccg 120
cttgggagcc gccccagcgc agcgggcgcc gtccccgcac gaccggggct ttccccgcgc 180
ccccgcagct cgacagaaac agatccccag ttgggtatga gccagagtcc cgggtacaca 240
tctggcgact catacgcaca gcggcctcct caagcccatc ctggcgcacg atcaactacc 300
ccagcactcc cagtcccact cccagtattc accaccgcag cc 342

<210> 21480
<211> 297
<212> DNA
<213> A.fumigatus

<400> 21480
ttttggaacg gatccagcaa gccgggtttg tgcctcgatg cggatatctt catcgccatt 60
gcgtatacct acagcgtggg cgcggttatt accgatttca ccattggaat attgccggta 120
ttcatcatct ggtcgctgcg catgaacacc cggacgaaga tggccattgc aggaatttta 180
gggatcggat gcattgccag cgcggcagtc attgttcgaa ttccgtttgt tcacaattac 240
aaggatcccg acttctttta tgcgacctac caagtgaggc gatcactccg aggctga 297

<210> 21481
<211> 183
<212> DNA
<213> A.fumigatus

<400> 21481
ggctttccca ctctcttcca tttaggatcc tcgctccatt cacccagtga gacctatagc 60
tccgcacagc tcttacttgg ggtgaaggac aaggaatcgt cagcctacct tgtatatttt 120
tgctctttca tttccacaaa ctcaacacgc tccatctcac cctcagcttt ccagcaacat 180
taa 183

<210> 21482
<211> 201
<212> DNA
<213> A.fumigatus

<400> 21482
ataatgttca ggattctatc cagggagttt aacgactttc tctatctttc ttatatgtgt 60
tcccagggag aggaggcggg agacggaata tatatcacat gggggttcct ttttattaag 120
agcagacaaa agagctactt agccaggata gacccttatc aattatggat gtcttcaaca 180
cgcgtcgaga tcaacatctc a 201

<210> 21483
<211> 465
<212> DNA
<213> A.fumigatus

<400> 21483
tgcctggact tggatgacca gggtcattgg gattaccatg gacatacctc cggtatcatc 60
ttcctgcgac ggttgcgcaa gcaacttggg gcttcagaca tgccggtccc gtcgttgcga 120
acacgggtcc tctctcagat gttggagagt cccaagtcga cgtccgagtc tccgtcagat 180
tccacgctac cccccactca cgatctgccc tcccgggatg ttgcacagcg tctgtgccac 240
cacgctttgt acgacggctg ttctcttatg cggttcgtgc atgagcccag cttctttgcc 300
atgctagatc gaatctatga taccctccg gagcagtttg gaaacgaaga gaattcgttc 360
ctgccgcttc tgtacattgt catgtctgtt ggttgcttgt tctcagatga acgggctggt 420
accctggata ctgcaggtta tgaatgcgcc attggtcaat ggtaa 465

<210> 21484
<211> 477
<212> DNA
<213> A.fumigatus

<220>
<221> unsure

<222> (3)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21484
cangccgatc tagaggaaga atatggcatg gttctttaca tcgctgacac taacgtgagc 60
tctccatgga cgcaaacatg catcacgcag gccgattgca ttcttctggt cggtctggcc 120
gaatcatccc ccagtattgg agagtacgag aggttcctgc ttggcatgaa gaccacggct 180
cggaaagagc tcgtattgtt gcatgcggag cggtattgtc cgcctggact gactcgacgt 240
tggttgaaga accgagtctg gatcaatggc ggccaccatc acattcagat ggccttccga 300
ctgacggccg agcctacgca tccggaaacc aagcgcttcg ggacagtcct caaacaacgg 360
gtccaggtgt tgcaggctga aatccaaaag tacacgtcgc ggaggattcg ccagacacct 420
ctgtactctg cccaatcccc attcaaaggt gatttccatc gtcttgcgcg tcggctg 477

<210> 21485
<211> 654
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (479)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21485
agacctacgc tcttccggcc cttacaaatc cgcaatgtga cgctcaagaa ccgcatcatg 60
gtgtcgccca tgtgcatgta ctcctgcgag tcggacccgt cgtctcccca cgtcggcgcc 120
ctaacaaact accacctggc gcatctgggc cacctcgccc tcaaaggcgc aggcctcgtc 180
ttcatcgaag ccaccgccgt gcagcccaac gggcgcatct cccccaacga ctcgggcctc 240
tggcaggacg gcaccacctc ggaacaattc ctggggctga agcgggtcgt cgagttcatg 300
cacgcgcagg gcgccaaggt cgggatccag cttgcgcatg cgggccggaa agcgagtgcc 360
gttgcgccgt ggctggcggc gcaggcgggc aagtcgagtc tgaaggcgga tgaaagcgtt 420
ggcgggtggc ccgcggatgt ggtgggtccg tcgggcgggg aagagcatat ctttagtcnc 480
gaagaagatg cgtattgggt gccgcgggcg ctgagcacgg ccgaagtccg tgaggtggtg 540
gcggcgtttg cgaaaagcgc gcggctagcg gtgcaggctg gggtggatgt tatcgaaatc 600
catggggcgc atggctatct catcaacgag ttcctgagcc cggtcacgaa atag 654

<210> 21486
<211> 240
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (50),(59),(64),(78),(119),(132),(158),(160),(168),(226)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21486
gcccggtcac gaaatagcgg acggatgagt acggtgggag ctttgaaaan cggaacccng 60
atcntgcgca aagttgcngc ggctattcgt gccgtgaatc ccgaggggaa tgccctgtnt 120
ctgcgtttca ancgcaccga attggttgga gggtcaancn ggtggccncc gaatcgggca 180
actgggatat tcaaacctcc ttggaacctg gtcaaaaagc tgcccnaaat ggggcattga 240

<210> 21487
<211> 450
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (7)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21487
gttttcnggg acgcgtgtcc ttctagcccg gcggtgaaga cctacgctct tccggccctt 60
acaaatccgc aatgtgacgc tcaagaaccg catcatggtg tcgcccatgt gcatgtactc 120
ctgcgagtcg gacccgtcgt ctccccacgt cggcgcccta acaaactacc acctggcgca 180
tctgggccac ctcgccctca aaggcgcagg cctcgtcttc atcgaagcca ccgccgtgca 240
gcccaacggg cgcatctccc ccaacgactc gggcctctgg caggacggca ccacctcgga 300
acaattcctg gggctgaagc gggtcgtcga gttcatgcac gcgcagggcg ccaaggtcgg 360
gatccagctt gcgcatgcgg gccggaaagc gagtgccgtt gcgccgtggc tggcggcgca 420
ggcgggcaag tcgagtctga aggcggatga 450

<210> 21488
<211> 444
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (86)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21488
ccgcgcgctt ttcgcaaacg ccgccaccac ctcacggact tcggccgtgc tcagcgcccg 60
cggcacccaa tacgcatctt cttcgngact aaagatatgc tcttccccgc ccgacggacc 120
caccacatcc gcgggccacc cgccaacgct ttcatccgcc ttcagactcg acttgcccgc 180
ctgcgccgcc agccacggcg caacggcact cgctttccgg cccgcatgcg caagctggat 240
cccgaccttg gcgccctgcg cgtgcatgaa ctcgacgacc cgcttcagcc ccaggaattg 300
ttccgaggtg gtgccgtcct gccagaggcc cgagtcgttg ggggagatgc gcccgttggg 360
ctgcacggcg gtggcttcga tgaagacgag gcctgcgcct ttgagggcga ggtggcccag 420
atgcgccagg tggtagtttg ttag 444

<210> 21489
<211> 486
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (136)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21489
ccatgcgccc catggatttc gataacatcc accccagcct gcaccgctag ccgcgcgctt 60
ttcgcaaacg ccgccaccac ctcacggact tcggccgtgc tcagcgcccg cggcacccaa 120
tacgcatctt cttcgngact aaagatatgc tcttccccgc ccgacggacc caccacatcc 180
gcgggccacc cgccaacgct ttcatccgcc ttcagactcg acttgcccgc ctgcgccgcc 240
agccacggcg caacggcact cgctttccgg cccgcatgcg caagctggat cccgaccttg 300
gcgccctgcg cgtgcatgaa ctcgacgacc cgcttcagcc ccaggaattg ttccgaggtg 360
gtgccgtcct gccagaggcc cgagtcgttg ggggagatgc gcccgttggg ctgcacggcg 420
gtggcttcga tgaagacgag gcctgcgcct ttgagggcga ggtggcccag atgcgccagg 480
tggtag 486

<210> 21490
<211> 783
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (92),(98),(104),(157),(769)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21490
cgggaagggg tcttcgtcgg gcccatttgt ctcctccctg ataggaccaa agcccaaagg 60
aggttggacc gtcggccctt tgccaacccc anaggcgngt ccgngttccc acttcaacat 120
gttttgaaga catctcttca atctgctcac gttcgcncag ggagctttac gagcttgtcg 180
tccagtgtgc acagcctcag tcatccaccg ttacccgtgg accaccgcga agctatcatg 240
gcagccgaaa agaagtcctt ggagcaacag ccctcgtctc ctggtttgat gggccccccc 300
ttggcgccag cttccgcgta ccgatcaaat tccacccagc gcccgctgac tccaaacgag 360
tcagggactc aggtttattc ctccaagaca agcatttcgc gggcccagat cagacgggaa 420
agtcaagtgt cccgcagatc atccgtttct tcatttgcat cagagcttga agagcggttc 480
aacattcaag cctattccaa tcacatgtcc aacggttacg cagcgggaac cgaccctcgc 540
atgatacagg ccatcactca gaccatgatt ggcgagttcc tctggaagta tacccgaagg 600
actgtgactg gagagacctc caagacaagg caccgtcgtt acttctgggt tcatccgtac 660
acccggacgt tgtactggag tgaacaggac ccgcaaactg ctgggaagaa tcaattgcgg 720
acgaagagtg tgccgatcga tcttaaccgc gggatagaag caggcgtcna aaagtcctcg 780
caa 783

<210> 21491
<211> 549
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1),(5),(30),(101),(143),(171),(194),(200),(201),(206),(234)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21491
ntttncacgc caaaggggaa gaaccccctn ttggcgcacc ccgcccctcc caagggcgcc 60
atcgggacta aaaacctttt gggcccccca aaaccgggaa naaaaacccc cttacccccc 120
ccgggcccgg ggggaatttg ggngggaaaa ccaaaatttt ccaaaatttt ncccaaaaac 180
ccccccttt cccncggggn ntgganaacc ccgtccaccc gcaaacccat cgcntacaag 240
atcttcaaca acaactgccc ccggctgctt gcaaaacctg gcagcacagt ctacaagcgc 300
gcagggttcg cgcgccatgc gctttgggtc ctgccctacc gcgaccacga gatcttccct 360
gcgggacagt acgtgtgcca gtcaacgggg gaagaaaacc acccgcacaa cccgaccatc 420
gtcgactggg cggcgaggaa cgagagcatc gagaatacgg atatcgtgtg ttatatccag 480
tttggactga cgcatttccc tcgcacggag gatcttcacc acggggctgg aaggacacgc 540
gtacgcgtt 549

<210> 21492
<211> 336
<212> DNA
<213> A.fumigatus

<220>
<221> unsure

<222> (118),(137)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21492
agtgtgtatt cccaatcaat tataccctta ttattgatgc tcatctctcc cagattccct 60
ccagttttgc acgaatggtt tgtagaaatg tttccagaga cgggggcatg gtttgcanca 120
cggctccgtt ataccangtc ctgtgcagtt atgtcaatgg tcggatacgt cctggggtat 180
gctgtcctcg attgcagact tcgtatcgtg aattatgtac tgacgtcaga gtcgcgcaga 240
ctgggagacc ggcatggcga aaatatcctg tttgaggaag gcacaggtgg tgttatacat 300
gttgatttca attgcctttt tgataaggta aggtga 336

<210> 21493
<211> 192
<212> DNA
<213> A.fumigatus

<400> 21493
gacggaatgg gacccaattc aggtttttgg aatgttaagc cctgttttaa tcagtctcga 60
gcgtttggac aacgcaaagt gtcaccttac cttatcaaaa aggcaattga aatcaacatg 120
tataacacca cctgtgcctt cctcaaacag gatattttcg ccatgccggt ctcccagtct 180
gcgcgactct ga 192

<210> 21494
<211> 285
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (258)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21494
ctagtacaag taaggaactg cagctggatc caaggtttct cacgaagctc tcttagctcc 60
gcggttctag agacaaacaa tgtaacttgg gcggggtgca catcatgggc agccatgcat 120
gattcaccgc cgcttctcaa ggcccatact tctcaattcc atgcatcact tttcaccttt 180
gaacccactc aggttggcat tctcttaggt ttacccaact actttcctgg tgtgggtgtg 240
gagggtaagc gtcttcancc acgggagtcg aaggatccgc gctaa 285

<210> 21495
<211> 519
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (18)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21495
cagggacggc acggcatnca ggaagacatt aagccctttc ttacattggc attggatatt 60
tgcgagcaga cccctggtcc agagtcggcc caattgctcg ctgatattca ctacgggttg 120
gcagcagcag cgaatgagac caatgatgga gcggcttgcc ttagtcatac cgagcaatta 180
ctcaaattgc gtcttgagac aagttcatcc accggcaaaa atgacatccg ccttgcaatt 240
gcacacaacg agtatggcat agctttggta atgaacaacg aatatgagaa gtctattgcg 300
gcgttcaaga cttccattga cgtgtatcgt ggactacttg actactggcc gtcgatggac 360

acaaacccac gcacaaatat gagcttcaca ttctgggtta tgggagacct ggaccaagct 420
tggcagactc tgcgtgatct tctcagtgac cgggaaacga aatttggtgt caatgacagg 480
gagtcgtaca agtatgttga ctcacatcag cgtttgtag 519

<210> 21496
<211> 375
<212> DNA
<213> A.fumigatus

<400> 21496
ggagtttcta gtacaggtgg gtataggcaa acccatttgt tctattctaa aattggattc 60
gggaaaccca acctaggcaa ggttcccatt ttcgacgggg gtcgtaagac caaaggtgga 120
ggcaagggcg ataaacagga gatctggcaa ttcttgtgga tggctaatta cccaaggcgg 180
gctttgatac tggtgagagt gttatctggg gccaaatctt ggatatcctt caaaatgggc 240
cacggtagta agcaaatgat ggcaaagccc ggtggaacac tctaccagtt ctgtgcacac 300
gataaatttc atgagtttcg tgtccctaca aacgctgatg tgagtcaaca tacttgtacg 360
actccctgtc attga 375

<210> 21497
<211> 195
<212> DNA
<213> A.fumigatus

<400> 21497
tgtgccgttc ccctgccatc caatacaacg ccgaaaatca agaatgaagg gcgaaagaga 60
ccatacaacg acccaaagtc catacaagta acctttcata tatgcaataa cgttgcctta 120
caaggcgaag ctttcgtgtc gtctgacagc atgctatcgt cttacaccga cggggatgga 180
acgtatgcgt cgaac 195

<210> 21498
<211> 534
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (9),(10)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21498
gtgtttcgnn aatggcgcgg ctccttccag ccccgtgtga agacgaatag cagacggagg 60
ggatcctcac ctgacacctc aagaactgac aagaatgaac caaccgctga ttctgcaaag 120
gcccgcaagt cccgtgatga tcgccgtttg agtcgcagca gagatcgcga tgatgagcgc 180
agacgacgac gctcaaccag gagtgtcagc cgcagtcgca gtcgcagtcg aggccgttct 240
cgcactggca gcgtcagtcc gaggcgtgct tctcgcagcc gcagccgcag ttatgggaga 300
gaaaggaaga gacgtcgctc tattgagaga tatgcccctg ctgcccgaag acggcgcaac 360
acctcttctg tatctacaca tactgagaaa cgacagagga tggctgaatc cagccaagaa 420
atcccaaagc ggtcgtcttc accggctgag caggcgagct tcaccgatta cgaccccaaa 480
ggttctggag aaggggggtaa ctggtttcag atggattttt tacccgatga gtaa 534

<210> 21499
<211> 282
<212> DNA
<213> A.fumigatus

<400> 21499

tgcatcagct cgacgttgaa gagagtgtcc accgttgatg caatctccgc gtccattccc 60
ggggaggtca agttggccgt ggcgcatttc aagcgagagt tgatcaagtt acccttcttg 120
tggtgccgga gcatgggctc agtggtgcgg gaaagtgagt ttgaatgtgg tggccatttt 180
gccgcgtggg aagtaccaga gctactcgct gctgatgtga gaagcttttt ggggaagggt 240
ggccaggcgt atgccgccgt gactggaaag aatggctact aa 282

<210> 21500
<211> 186
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (15),(45)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21500
agcgcatatc ttcgnagcgc ggtcccttcc agtccggtcg tgtanagcga ctacccctgg 60
acggacgatg agattctcac gtgggtgagc gtctaccagt tctcggtcgc gggtcccgcg 120
gcttcggttc ggatctacta cgaggctgcg cagacgccac ctgctgatgc atcagctcga 180
cgttga 186

<210> 21501
<211> 753
<212> DNA
<213> A.fumigatus

<400> 21501
gggcaaggct caagaatttc cgaccattcg ggaagatggt atcatggaca tcgcccgggt 60
gaaggaaaga atttgatcaa atggaccgat cgtgaatatc ggctacatcg gaatacatcg 120
tataacgctc tagcgaagaa tggaggcatg agaatcattc gtcaggagga tggaagtgac 180
aagcaattct tccgtgcaac ccgcgaccgc gtgttcaatg tcactgtctg cacgtcagcc 240
acaacgagcg gcgtatccga ggagcaggcg atcttgggca ttggtgtcag cggcacggtc 300
tactgggcat tgatttcgcg cggcgaaaag gatctgttcg agctggatgc tttggagagc 360
gagagcctga tattcccgcc gttcccggct tctgatgaga acacttctgg tggccagctg 420
aaaacgcggg ccaagagaag ctctcgtcat cctggcttct tcgccatcgg gcgtggcaag 480
aatatctacg ttgtctgtcc ccaggcggct gccaacgcaa actatggtgt ctcgggatct 540
caacgcaccg tcaacacgga gaagtttttc aaggaacggg ccctcaagat atcaaccggc 600
aaagctggca aggactttgt gttcagtgac gacgatactg tcgtcgcttc tctagacaag 660
accggcagac tacgcttctg ggatattcgg gaagtggtca acaatcccga tttcgtcacg 720
aacgtgccta gtctacagac cgggttgaag ata 753

<210> 21502
<211> 261
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (243)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21502
ttcaagatga actcaatacg aacaacctca tttcgctcgc ttgtcccccc cttccgccgc 60
ctcgacactc cccgtgctca ttccacctcc tccgtctcca cgaatgaact ctcgcatttc 120
tctgctctcg ccagcagctg gtgggatccc gtgggccgct cgcgcatccg ccatctcatg 180

aacccccctcc gccacgaatt catctcctct tgcctggccg agtccctgac accgcctcgt 240
ctnaacccat ccaacccccc c 261

<210> 21503
<211> 213
<212> DNA
<213> A.fumigatus

<400> 21503
attatctggg ctcctcttga ttacctttgc agcttcccag gcaaagacat cagaggcaag 60
ttgatctcag ccttcaacca atggctccaa atccccgagg acaaactcga cgtcatcaag 120
cgggtggtcg gactgctgca ttcggcatcg ttgctgtatg cacttcccta catgtttgcc 180
agcggaatag gaagtttaca atcacagaat tga 213

<210> 21504
<211> 243
<212> DNA
<213> A.fumigatus

<400> 21504
gaagtttaca atcacagaat tgacgatatc caagactcgt cgaaactcag gcgaggattc 60
cccgtcgcgc atagcatttt cggtatcgcg cagaccatca actcggccaa ttttgcctac 120
ttctgggctc aacaggagct caagatattg ggcaagcctg aggctatggt catctttacg 180
gaagagatgt taaagcttca cccgcggcca ggggcttgga tctctactgg cgagaatcct 240
tga 243

<210> 21505
<211> 765
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (252),(610)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21505
tacgatcttc cgggttgttc tggggctatt cgtcctgttc caaattggat gtgcgctagc 60
tccaaatttc cctcgatgat cgtttttcgc ttcttttcgg ggttctttgg atctcccacg 120
gtcactaact ctggcgggtc catcaccgat atctggccgc aggacaaccg gtctgtgcca 180
ctggccctct tctccgcggc cagcttcctg ggccccgtta ttgcacccac ggtgggggct 240
ttcatctgtc antacacatc gtggagatgg aatttctggg tggtgctgat cctcagtggt 300
gtctgctacg gcgccatgat ggtgtttctt cccgagacat attcccacaa gctgctgatg 360
gacaaaaaac gatgcatgcc gggctattcc ccagccaatc aacccccagt caaggagatg 420
ctgtacacga cgctgacgcg gccctggcta atgctcttca cagagcccat cctgtttttg 480
ctttccctgt atatggctct tgtctacggt gtcctgtacc tggacttcac agcctatccg 540
gttgtctacc gggaaacacc aagctggtcc gccattattg cagggctttc ctttttgggg 600
atatgcgtcn gcatggccat cgccacccct atctcgccat acgccaatcc aatccatggc 660
atctacctgc cttccctggg gaagtcctcc accccaaggg tcgcctcccc gcatttgaat 720
gtcatctccc tggctaatcc ccggttaact tggttctggg tttgg 765

<210> 21506
<211> 195
<212> DNA
<213> A.fumigatus

<400> 21506
acccctgctc ctccgggttt agacaaaccc cccgcccaat tcactgggat ttttatccca 60
ccccccttтc cacaatttaa tcaatctacc cctatggccc gctttttccc atatgcactt 120
tctcataact ttaacgacac tagtcttctt cctcgtgtcc gctttatgcc cgttgtctta 180
cccttcccac ggtag 195

<210> 21507
<211> 255
<212> DNA
<213> A.fumigatus

<400> 21507
agcccctcag gctggctggt ccaattcctc gtctccgtcc gacacggaga tcccaagaaa 60
gtaggctatg tggcctctgg gttctggtcg gggttcacac tcgggcgggt cctcctcgca 120
gacatcacgc acaagctcgg tgagcgtcgg atggtgtttt tctatattgc tctctccata 180
gcgctgcagg tcatgttctg gctgataccg aacattatcg cgaacgcagt caccgtttgt 240
cttatgggtg ggtag 255

<210> 21508
<211> 189
<212> DNA
<213> A.fumigatus

<400> 21508
ccagcacaag ctaaagtcct agctagtgca gatagtccca gctccatgcg ccaagcctgt 60
ttcccaagtc ccaaccttcc attcatggtg gtgtattata accctgagtc tctgttattc 120
atatctattg aagttattaa tgcatgctct gcagctcttc cagcttatga ttatttttgc 180
ctgcagtga 189

<210> 21509
<211> 183
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (8),(78)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21509
ctcggttnta ggacgattgc cacctcacat tccgtccccc gtgctagatc tctctcatca 60
cccacgtggt ctagcctnga tgtcttggtc gacgccgtca gcatcactgc attcactggc 120
attttgcgaa gcatgaacgg ccgatcgatg atcatccggc atgtgtgtct atcctggaga 180
tag 183

<210> 21510
<211> 819
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (18),(201),(219)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21510

tcaccaggac aagcattntc gactccccgt caaaagttca ttggcgcatc aatcgcattg 60
cgcgctgtga aactattata cggcgcttgg caagatgctc actcccccat cacatacact 120
gacatcgaat acttcgtcat caccgacgca gcgcggtacg tctcgcgcgg cgcatcgcct 180
aacgctcgtg acatgtaccg ntacacgccg ttgctcgcnt ggcttctcct cccgacgaca 240
tgggatagca tcccgggttt tttagccttc gggaaggcgc agtttgcact cgcggatgtt 300
gttgcgggct ggctgatcgc caaggtgctg gtctcggcgt atgggatgag cccgtcccgt 360
gcgcagaagt acgcgagtgt ctggttgctg aaccccatgg tcgcgaatat cagtacccgc 420
ggcagctcgg aggggttact gggggtgctg gtagtgggga tgttgtgggc ggtgctgagc 480
cgcagggtga gtcttgcggg ggcgattttg ggcctgggcg tgcattttaa gatctacccg 540
tttatttatg ggccggcggt ggtttggtgg ttcgatgcgg agagggatgg atcgggttcc 600
ccgcggggta cagctacagc ccgagctgcg cgggagaaag acgacgggca ggacgggcag 660
ggcatcctgt ccaaagcagt cgacttcctc accccggccc gcatccacct caccctcgtc 720
gcgctggcca ccttctccgc cctcaacgtc tcgatgtaca tcctctacga cctccccttc 780
gcccagaaca cctacctcca gtcatcacga ccgggctag 819

<210> 21511
<211> 336
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (287),(302),(309)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21511
cctgctcatt tcctcttgtg ctcgaatcca gggcaatcca acgacaaaaa gagactaccg 60
aaaccaggac cataccgatt tcccaacaca gctgtcacca tggccggtgg tgctgctaag 120
taccgtcatc tcagccgcaa gtcgtcgcat cgacaggccc tgctccgaaa cttagtcaca 180
tcgcttttca agcacgagtc tatcacaaca acctgtgcca aagcgaaaga ggctcaacgg 240
ctggccgaga aactaataac cctgtgcaag aagaatacgg atgctantct aataagagcg 300
tngtctgtnt tctatgtatg tgctcctact gactct 336

<210> 21512
<211> 192
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (192)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21512
acgcctttga ttttgagaag actcatccaa cattgcggta gattctataa ccagaccagc 60
ttctccgggt tggaaacaca catcgccaac tccttcacga acgcgctcct ccaactgctc 120
aagttcattc ttcttgtgcg caacctgtct tcacacacgg cgactgccgg atacaagctt 180
acgttacgag an 192

<210> 21513
<211> 642
<212> DNA
<213> A.fumigatus

<220>
<221> unsure

<222> (320)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21513
ggaatcctaa agggaattaa ccttggttca agccaaagta tcctttcatg gtgggggatg 60
gacatttccc catcccggag aagctctggg ttattaagga tgcggagtgt tccatcccat 120
ttatggggct cgcgttttaa gattcatttt aatgagatga gcaaggagtt cgaattggca 180
gatgtcgttc ttcgaccgct tccccttgaa tgttctccgg atacaccttt aaatatgatt 240
gggatgccat actatcggga acggttgttg tctgcgtcgc ttagtcatct cgtgttcgaa 300
gtcggcagtc ctcccgcgcn tatcgaccag agtctcatcc cctatcttcg ccctgcggaa 360
atggggcatt acgcgccgaa tccgaagaag acacggcgtt atcaagtcga aaatacgcgt 420
gcgctgacga ccgccgaacc agctcttatc gctcctaaat tcttaagtga aaaagcaagg 480
gagcagagca aatttaagtc ggaagcctcc gtgagcgaca cggcggaggc cctcgcaggc 540
gcgaagctca atggagaagc cgaagacgat cctctactca agtacagtaa tgtcgaaatc 600
aagtacagcc ggtttggggt ggacgacttt gattttaggt aa 642

<210> 21514
<211> 231
<212> DNA
<213> A.fumigatus

<400> 21514
aagaaaagga cagtcagcat caacatggca acaaaaaccc ccgtcctcac cgaaaaagcc 60
cccaagcctc tcccaggcat ctactcgcag gccatcattg ccaatggagt ggtctattgc 120
tctggggcgg tcgcgatgga tcccgaaaca gggaaattga tcgacggcga tgtcaaggcc 180
cacacggtac tcccatccat ttataccttt gtcgtctctc tcgtcgagtg a 231

<210> 21515
<211> 195
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (189)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21515
ttgaaaaaaa tgaaagaatc gttgactcat gtatgttctc tagctacaag caggtcatgc 60
gatgccacat tcatcaatca acccaaatca accaacgcca ttgttgcaat ttgtccatat 120
gctcttaagt tgtccgtttc tcgaaattta gtcttcacca cggggctgag aagggaccgc 180
accactaang acgcg 195

<210> 21516
<211> 558
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (172)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21516
gcccggatcc ttccagcccc ccgtggtgaa gacgctcgag cacttggcgg cctcctcaac 60
ggaaacatcg gagttcttca aacgaccgtt gcggagatcg tgactgtcaa ggaacatcaa 120

ccacgggctt actcgatcat gccatttgtt tggtgcttgg ggtcgatcat angaccagcg 180
atgggtggtg cgttggcaca gccctgccag aattatcccg gattgttcca gcgccataca 240
atcttcgaca gctttccatt tctgctgccc aaccttgtct gtgttgtcgt cctggtcttt 300
ggggttatcg tcggcttctt gtttcttgag gagactcatc cggaaaaacg ataccgccgt 360
gaccctggtc tcgagctggg caattggctc atcgcccgtt gctcgggctc ccgtgtgcaa 420
ctgacagagg atgacacaga catccaagtg gatgccaacg aaactgacta tttcaactac 480
ggcgatgtcc ctccaccaga gtacagaagc accgaaacct cgcctcaact agccgcgatc 540
aagaatgtgg gcgctcta 558

<210> 21517
<211> 591
<212> DNA
<213> A.fumigatus

<400> 21517
cgcggaattt tcgagccccg tggtgaagaa gtcccctcag tccccttgac gaccgatctc 60
tccaccccgg tctcacccgt ggtctcgctt ttctccgcca aaggtcatac gcgtgtctcc 120
agctccgtct cctccctggt ctcgtccact ggtcagggta attccatgga gagctcaagg 180
aatgccctga caggactgaa ggaggaacct cgccaagcca gggatctgga ggaggagtat 240
ttccgtacgt ccttccctcc caccaaacct tttgctctgc ctttgcatac taattacttc 300
tctgcagaac attttgacca aggcatgtct gttgtgaacg acacgtactt tcgaccttcg 360
gccgattacc ccgaatctta cgacctgaac gacgccggca tggacaaccc ccattccacc 420
aagaaaagac gcgccgacag tctctccggt aatggcctgt cgcgcattag ttcgcgcatt 480
tccaccattt ccactcgctg gaggtctaac cgcgtgtcgg gcggccccga tgccgtggac 540
gccatcggat ccagtctaag gtcgcgaaca aattccgtct cgtccgtccg t 591

<210> 21518
<211> 231
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (95),(104),(108)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21518
accaagtgga attggaaaat gattcttccc aaggttgcgg aacccaccaa cttccttgtt 60
tattttcagg gtaacggggc gttgccgttc catgntatat tttntttntt ctcgccttat 120
ttttttttcc caactgtatt agaacggctt tctgttccct cacaatctct tcactccggc 180
gctcagagta tctatctttt tgcattattc cgtgagttgg gaccggcatg a 231

<210> 21519
<211> 456
<212> DNA
<213> A.fumigatus

<400> 21519
acgcctcgtc gacggtatgt tcctttcttc tccaacagtc catatctgac atgctcccta 60
ggcgggcaat cagtccaaga tggttcgccc agtggacact ttctctcccg cggtagacag 120
gctagcagat acggcaaagg ggaggatgtc aatgccgtgt ttctgaaaag attggatcat 180
gcactgcgag acggtgatcc aattcgtgcc atcatccggg gctgggcttc gaataacgat 240
ggaacaaggt ctccaccaat gtgcccaggt ccggattctc aggctgcctg tatccgttcc 300
gcatatgcga tggcaaatct tcaagatttt gagacaaccg cttatatcca gtgtcatgga 360
atggaatcaa ccgttcgtat cccgtttgac cctgccgttg tgttttacca ttttcaccaa 420
ctaaacgtat atcaggtggg acaacccctg gattaa 456

<210> 21520
<211> 300
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (8)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21520
caacatgnta atggcccaca gggcaaaacc attgagggga agctctcatc tgtccccaag 60
ttctcctgcg gccaagacaa aaaggggttc tccattagca agctgcacct ctccacctcc 120
aaggagaccg aggtgcacat cgtctatggc atgcccgatg gttccacctg ccgtaacatt 180
gcttcttgct cgcccgacgg tacccaggtc accaatgacc agtgtggtgg tgccacctcc 240
gtgagcttcg agccccccga gggctcggag gtcttaacca ggcggtggaa ggacaacgct 300

<210> 21521
<211> 441
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (205)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21521
tactccaacc ctgagaacac agacaacgag tgcactgatc atcagaaagg tggttgggac 60
tggtctgatc tttcttccgg atctttctcc tcgtatggag gcttcgattt ctcgggtttc 120
aagtgcagtg acagcaccgg ttgggggaaa cgtaccttcg taagtcggct caatcttctc 180
cttcctcatc acaatagcaa catgntaatg gcccacaggg caaaaccatt gaggggaagc 240
tctcatctgt ccccaagttc tcctgcggcc aagacaaaaa ggggttctcc attagcaagc 300
tgcacctctc cacctccaag gagaccgagg tgcacatcgt ctatggcatg cccgatggtt 360
ccacctgccg taacattgct tcttgctcgc ccgacggtac ccaggtcacc aatgaccagt 420
gtggtggtgc cacctccgtg a 441

<210> 21522
<211> 243
<212> DNA
<213> A.fumigatus

<400> 21522
acgatgcggg gatctgaggc atcggggcct ggtgctatct tcggcgctcc ctcgactctc 60
accacttccg tgataaggaa cccgacatcg ttcctatcaa gctcgactcc tctcccgtct 120
acagacgcag atgtcatcgc ccaaaatgtc gaacatgtcc tgttgtcttt aacgtcgcac 180
aacgatggcg gcctggttgg cgtccagtgg caactcagtc tcaccacggg tggagatccg 240
cgt 243

<210> 21523
<211> 285
<212> DNA
<213> A.fumigatus

<400> 21523

ctaccagagt cagccatcat ggcgagcaac tcatacaagg cgcttcgatc acaatatcaa 60
gccgcgttga agcgcttcat caattcttcc aagaacctcg atatacttaa ttccgtcccg 120
ttgaaccacc aacaatacca aaaacaggct tcgcaggccc catacatact ctatgtcctg 180
gactcgtcat gcaaccctcc aactcttgct catttgagga tcgcaatctc aacccttttct 240
ggaaaaaccc agtgttccct cccggctgct gctactcctc cctaa 285

<210> 21524
<211> 405
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (51)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21524
ttcatgtcga tggtcgacat cttcgactac ctgccccgat ctcaccccgg ntatgagaag 60
aacctgcggc gtttccagtc cctggcaaaa gccttcaaga agacgcagga caagtccggt 120
ggatggtggc tcatcatgga tggggagtac ccgcgcgatc cccgcaaata catcgagagc 180
agcggcaccg ccatgtttgc ttatggactc ctcaagggcg ttcgcaaggg ctatatccgc 240
tccaaggact atttggctcc cgcgacgaag gcgtacaacc tcatggtgga caagttcgtg 300
gagacgaatg cggacggcac gctgaattgg cttggcacag tgcaggttgg cagtctgagc 360
agcaatggca ccttcgaggt gagtatgaac ctatacctaa cctga 405

<210> 21525
<211> 639
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (412),(479)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21525
catctcctag gtggtggtgc ctggctcgga ggccagcttt tctctgccat ggtcctccgt 60
cgccctgccg aggttttcct caacgagatc ggcgtgccct tcgaagagga ccctgcaaac 120
cccaacttcg tcgtcgtcaa gcacgcctcc ctcttcacct ctaccttgat gtccaaggtc 180
ctctccttcc ccaacgtcaa gctcttcaac gccactgccg tcgaggacct ggtcacccgt 240
ccctccgcta gcggtgatgc caaggacacc cagattgccg gtgtggttgt caactggacc 300
ctcgttactc ttcaccacga cgaccactct tgcatggacc ccaacaccat caatgcgccc 360
gtggtcatca gcacgaccgg ccacgatggc ccctttggtg ctttctgcgc anagagactc 420
gtgtcgatga acaccgttga caagctcggt ggcatgcgcg gtcttgacat gaactccgnc 480
gaggacgcta ttgtcaagaa tacccgtgag gtcgccaagg gtctgatcat cggtggaatg 540
gagctgtctg agatcgacgg cttaaacgta tggggcccaa ctttggcgcc atggggccta 600
acggtggtca agcttccgaa gagcccttta aggtcttga 639

<210> 21526
<211> 522
<212> DNA
<213> A.fumigatus

<220>
<221> unsure

<222>
(2),(3),(4),(5),(6),(7),(8),(9),(10),(11),(12),(13),(14),(15),(16),(17),(18),(19),(20),(21),(22),(23),(24),(25),(26),(27),(28),(29),(30),(31),(32),(33),(34),(35)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21526
annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnngaaga cgtttgctcc gatcagggag 60
agccaggtct ctcgtgctat gaccagacgt tactttcagg atctggacaa gtatgccgag 120
agcgacattg tcatcgtcgg tgctggctcc tgtggtctga gcactgcgta cgtgcttgcc 180
aaggctcgtc cggacttgaa gattgccatc atcgaggcct cggtctctcc cggtcagttt 240
tcactccata aaccatccgc ttcgaagcta acatctccta ggtggtggtg cctggctcgg 300
aggccagctt ttctctgcca tggtcctccg tcgccctgcc gaggttttcc tcaacgagat 360
cggcgtgccc ttcgaagagg accctgcaaa ccccaacttc gtcgtcgtca agcacgcctc 420
cctcttcacc tctaccttga tgtccaaggt cctctccttc cccaacgtca agctcttcaa 480
cgccactgcc gtcgaggacc tggtcacccg tccctccgct ag 522

<210> 21527
<211> 297
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (4),(17),(22),(24),(27),(28),(58),(81)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21527
ggcnccaaat tccaagngag gnanttnnac aagaaccgcg cgatcgtgga ggagatcnag 60
aagctcgctg ctcgggagaa ntgcacaacc agccagattg cgctggcctg gttcccggcg 120
cagggtttca ttgctatccc cggtacgacc aaggctaagc ggctagagga gaactgggcg 180
tccagggaga ttgaattgac cgaggaggag aagcaggaga tgcggagaat tattgatgtg 240
gcaaagcccc acgggaatag gtacgggcct gagaatcagg ctttggtggg acattga 297

<210> 21528
<211> 210
<212> DNA
<213> A.fumigatus

<400> 21528
ctcgtctctg ctgcttattt ggccttgttt tttttcaacg gatacaatta ctatgttctt 60
cctgcggagt acagtgatcg cgactctgtg ttgctttgga acttccgtgc tggcctcttc 120
ctggccttca tctatccagg ggcaaccgct gccagacaaa tggtttcaaa taaacctcga 180
tcaactggag accaccctaa gcgaaactga 210

<210> 21529
<211> 330
<212> DNA
<213> A.fumigatus

<400> 21529
cacacgatcg ggcggtcgat ggactccatc ctggtcgtct ctagccccca ggaggcgtcc 60
gcaccatctc ttgctccatc gtgtgtcttg tgtctccccc tctttgaacg cttccccatc 120
cccttacccc ccagcccgaa gagaagaggg gttgatttcg ctcacacaaa actcccgcac 180
cccttaacgt accgtgccac tcaccaatcc tatggtccat gtttcacctt atctctgacc 240
tcttatactt ttaactctcg tttcctcgat gccgacttta ggaggtctct tgaagaaacg 300

gcggacaaag gattcgcata ccctctctaa 330

<210> 21530
<211> 372
<212> DNA
<213> A.fumigatus

<400> 21530
caatgtacag gtgacctggt aggcttgggt acgaatggca tggatgtgct gtgccggtgg 60
gacaagtcga tgagaccagc tattgactct atacgcgccg ccatcagctc cttcgactac 120
tacgatagta acggtgagct cagagactgc cttccatatg ctccaggtga ccttctcaac 180
gttgaagtgg tgcagatgtc gggacttatt gacctgctgt atgggaaggc taaagattgc 240
ggcattgatc ttcgattcgg agccatcgtc tgtgattact gggagtccga gggaaacgcg 300
ggaatcgtgt tggagaatgg acacaaggta gctgctgact gcgtgattgc tgctgatgga 360
tggggtacat ag 372

<210> 21531
<211> 336
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (324)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21531
ttgctgctga tggatggggt acatagcaaa gctacaggta ccatcaccgg aaaagatgtg 60
gccccctact cgactggtgc tgccatatat cgatcacatt ttgatgcacg cgagattagg 120
gatgacccag aggcaaattg gatccttgac agcacaggtc gggcagacca cgctaacatg 180
tacctcggaa aggatactat tcttttggtg ggtaccgtcg gaaagggtaa aaatgtgtct 240
tgggatatgc cacacaaagt gagcagttcc cttgcttttc ccttcttgga aggttcttac 300
accacggccc gctggaaggt ccgncacttg gcgtat 336

<210> 21532
<211> 501
<212> DNA
<213> A.fumigatus

<400> 21532
tacgtcttgt tctttccatc tttattcggg ggtccgtctt tcgaatatgt ggactatagg 60
cggtggcttg atacgacgct tttcgaggtg ccgcccggaa ctgatccgtc caaggtgcct 120
ccaacccgga agaagcgcaa aattccccgt agcggcacgc ctgcgaccaa gaaagctttg 180
atgggtttgg tatggatctt tgtgttcttg caattgggct ctctctacaa taaggagtcg 240
gtgcttggag agtccttcct gagctattca tttcttcgac gagtctggat tctttatatg 300
ctcggattca ccacacgaac gaaatattac ggtgtatggt ctcttaccga aggtgcctgt 360
attctatctg gactcggata caatggcttt gatcctaaga caggcaaggt cttctggaac 420
cgcttggaga acattgaccc ctggagcctt gagacggccc aaaagtcttc accacgagta 480
gccaatccgc gtatatccca t 501

<210> 21533
<211> 477
<212> DNA
<213> A.fumigatus

<400> 21533

cgacgtagga tcttccagcc ccgtggtgaa gaatcctctc cctcaccaga tcaatcacca 60
ccacctcgtc ctacaaagcc atcaccacca acaacagcaa caacccagca acccggacag 120
ctcccaagcc tcctattgtc tccacgccca ccctaccagc aaaaccatcc accgcctcca 180
cctccactgc gcccgcaccc acaaccgacg accgcgccgc ccgtatcctc gctccaacac 240
ccacccacca aactacaagc aacatctcca aaaccggcct cgccgacgcc cctctctcgc 300
cggactcgcc ccctgaagaa aaaatcgact ggacgcgctc cttccacggg ctctccgccg 360
cgccattccc caaggaagta tccgatatcc tcctcgcgga agtcgacccc gaataagtcg 420
agatcaagcc cgatggcatc ctgtacctcc ccgagatcaa gtaccggcgg atcttga 477

<210> 21534
<211> 327
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (16),(160),(179),(227)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21534
tgggtgtaca ggttantgtc tgtcgcgcgg ggcgagcagg attacttcac gccggatggg 60
atcccgacag caacggaagg gtgtcggtct aatgcgctgg tgcgctgctg caaggatctg 120
ggggattgca aacgaactgt ggggaatcgc ggttggaatn ctgcagttcc aaggcgcant 180
aataccccgg cacggtgttt gttcaacaat gttgttgaac aaaaacncgg aacaagaatc 240
tgggttaccc agggaagaat acggtttcta atccgttgga aggaaattgg gaacaaatta 300
ttggaaccga tgtttcccgg gggttaa 327

<210> 21535
<211> 387
<212> DNA
<213> A.fumigatus

<400> 21535
agaatcctct ccctcaccag atcaatcacc accacctcgt cctacaaagc catcaccacc 60
aacaacagca acaacccagc aacccggaca gctcccaagc ctcctattgt ctccacgccc 120
accctaccag caaaaccatc caccgcctcc acctccactg cgcccgcacc cacaaccgac 180
gaccgcgccg cccgtatcct cgctccaaca cccacccacc aaactacaag caacatctcc 240
aaaaccggcc tcgccgacgc ccctctctcg ccggactcgc cccctgaaga aaaaatcgac 300
tggacgcgct ccttccacgg gctctccgcc gcgccattcc ccaaggaagt atccgatatc 360
ctcctcgcgg aagtcgaccc cgaataa 387

<210> 21536
<211> 324
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (224),(248)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21536
gtcgagatca agcccgatgg catcctgtac ctccccgaga tcaagtaccg gcggatcttg 60
aaccgggcgt ttgggccaag gggttggggc ctcgtgccgc ggagcgagag tattgttacg 120
ccgcgtacgg tgaacaagga gtatgctttg gtttgtaatg ggcggtatgt atttttgct 180
tcgcttttgc tttgggacgg gagagtatgg ggagatacaa atanggggct aatgggtgta 240

caggttantg tctgtcgcgc ggggcgagca ggattacttc acgccggatg ggatcccgac 300
agcaacggaa gggtgtcggt ctaa 324

<210> 21537
<211> 492
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (5)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21537
ccccntattt gtatctcccc atactctccc gtcccaaagc aaaagcgaag caaaaaatac 60
ataccgccca ttacaaacca aagcatactc cttgttcacc gtacgcggcg taacaatact 120
ctcgctccgc ggcacgaggc cccaacccct tggcccaaac gcccggttca agatccgccg 180
gtacttgatc tcggggaggt acaggatgcc atcgggcttg atctcgactt attcggggtc 240
gacttccgcg aggaggatat cggatacttc cttggggaat ggcgcggcgg agagcccgtg 300
gaaggagcgc gtccagtcga ttttttcttc agggggcgag tccggcgaga gaggggcgtc 360
ggcgaggccg gttttggaga tgttgcttgt agtttggtgg gtgggtgttg gagcgaggat 420
acgggcggcg cggtcgtcgg ttgtgggtgc gggcgcagtg gaggtggagg cggtggatgg 480
ttttgctggt ag 492

<210> 21538
<211> 522
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (512)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21538
ccaatggcat ggcaggagat ccgccgctgg cgctccatga aggagcgttc gcaactcgtc 60
aggaaggaag cgcatgaccc catggatgta gtctacattg tgtcccggcc gtacactgcc 120
gcagccggca tcaaagccgc gagtagattc agccacagcc gcaggcagat ccttgtacgc 180
tgggcgattg cttatgcaac aacacccgca gcgttgttgg tcctctgtct cggagtagcc 240
ggattactgt cttgtctgtg tcaatacctg attctgcaag ctgtcgagaa gaccgtgccc 300
gagctgtcga cgcaagttgg cgcgtttgcc gacaaggtcg tcgacagcgt acagaatgcc 360
tcagcggagt gggccaacga cgccaacgga gtgattggac acatgaacca agacttgaat 420
gagaacgtct ttggctgggt caacaccagc acgaccgctt taaacgatac ggtccacacc 480
ttcgtcgttt tggaacaggc cgctggcaag ancactgtca gg 522

<210> 21539
<211> 792
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (688),(718),(749),(766),(781)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21539

attttcgggg gcggacatat atcttccagc cgtcggctga tgacagctca atgggtctgg 60
gattgcatca atgagggcag gcttgtccgt cctgatttgt atgcaccggg tgccaccctt 120
ccgcctcact tgagcccttg ggtcaagccc tctagaggcg gctacgatcc taaagccagc 180
ctggccgagc aggaagagga aggcgaggcc gagttagacg aggacagtga cgaggagatg 240
gaagaagcga ccagcgataa gaaggccgaa ggtaaggcag atgttggatc ggaaagtgaa 300
gatgaggatg agtctgttga cggcggcatg gatgttgccg gtaccgatga tgatgagagc 360
gagagtgaag atgaagagga agactttgat ggatttgaag aagaggctgc ttccgaatca 420
gaagacgaag aggaagcggc tcgcacccag caccagaagg agctcgaggc tgaaactgct 480
ggtcttccat tctcttccaa cggggctact atcgacggat ccaagaaaaa agcttcccag 540
gctaagaaga tcgctgccaa gaagcgcaag gaggaggaag agctggagag acagaagatg 600
atgatgagtc gcaagaaacg caagttgctt gagaagatga tttactcgaa caagaagcag 660
tctgaggaag cggcgaaact gcgatctnag agaagaaagc ttgagaatgg gggcggcnaa 720
atgagctcat atagaataaa agttagcanc atgcttttgg gcgacnagaa tgatatcctt 780
nttctgggaa tt 792

<210> 21540
<211> 204
<212> DNA
<213> A.fumigatus

<400> 21540
ttcggaagca gcctcttctt caaatccatc aaagtcttcc tcttcatctt cactctcgct 60
ctcatcatca tcggtaccgg caacatccat gccgccgtca acagactcat cctcatcttc 120
actttccgat ccaacatctg ccttaccttc ggccttctta tcgctggtcg cttcttccat 180
ctcctcgtca ctgtcctcgt ctaa 204

<210> 21541
<211> 480
<212> DNA
<213> A.fumigatus

<400> 21541
atcatcttct caagcaactt gcgtttcttg cgactcatca tcatcttctg tctctccagc 60
tcttcctcct ccttgcgctt cttggcagcg atcttcttag cctgggaagc ttttttcttg 120
gatccgtcga tagtagcccc gttggaagag aatggaagac cagcagtttc agcctcgagc 180
tccttctggt gctgggtgcg agccgcttcc tcttcgtctt ctgattcgga agcagcctct 240
tcttcaaatc catcaaagtc ttcctcttca tcttcactct cgctctcatc atcatcggta 300
ccggcaacat ccatgccgcc gtcaacagac tcatcctcat cttcactttc cgatccaaca 360
tctgccttac cttcggcctt cttatcgctg gtcgcttctt ccatctcctc gtcactgtcc 420
tcgtctaact cggcctcgcc ttcctcttcc tgctcggcca ggctggcttt aggatcgtag 480

<210> 21542
<211> 291
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (92)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21542
tggctgttct gggatacaga gagattggca cggttgccat tgaggtctcc tattaactgg 60
gcgtccacca aggggtactg tgttcggctc ancagctggg tgccgttccc cccacaatca 120
ttgtcgctat cgccttgccc aagagatatc gtatacgcat tcaccgtgcc attcccactc 180
gtaacattgg ccccccaagg cgttgtagca tccttggaca gtccgaccaa cgggagcacc 240

caacgatcgg ggcttgtgac cgggacgggc gcagactcgg atggcggata a 291

<210> 21543
<211> 687
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (286),(601)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21543
caaatcctcg caagtccggc tcgcagtact gcgcatgatg aaccaagagc aaccacaaca 60
gtgatcgttc cagccactaa aatttattat ccgccatccg agtctgcgcc cgtcccggtc 120
acaagccccg atcgttgggt gctcccgttg gtcggactgt ccaaggatgc tacaacgcct 180
tgggggggcca atgttacgag tgggaatggc acggtgaatg cgtatacgat atctcttggg 240
caaggcgata gcgacaatga ttgtgggggg aacggcaccc agctgntgag ccgaacacag 300
taccccttgg tggacgccca gttaatagga gacctcaatg gcaaccgtgc caatctctct 360
gtatcccaga acagccatca catactcaac ctggggaacg actctcacct gaccgtaacc 420
accagcagtg atgacgagga ttttcccatc agcacagttc cctttggctt gaacctcggc 480
cataaaggcg aatggaatgg ttcacttgca ctaggcgggc tctacgacgc caatcggctc 540
accgatgatg cgacatcctg gatctccatc gcagagacca tgaacaacaa tggcaccttt 600
ntgcagaccg gcaagcagac cctctcccgc cgtcgtcttc caccacggcg gctggaagga 660
accgcacttg gcgttaaacg agcgcgc 687

<210> 21544
<211> 390
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (140),(303),(330)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21544
tacaggatac acagcatact actatacagg gtaccgagta ctaaatatcc atgtgatgat 60
gtgactgaga caatttctcc tgctcatgtt gcaagaagcc ctcggggaat ctatgtaggt 120
ttactattgg ccgtcctatn tcccacagtc cagcttttgg ttgtcaacca cctcatgatc 180
gaccactacc ccgattttgt ggatgtttgt gcaacgtggc ttgtcgagca cgagctctca 240
atatcttcag cgatcgcagt gcagatgcag gattccattg gatcttctct gtcggtcaat 300
atntcagcta aactggcaag aatgatgtan cagcataagc ggtcatattc caaggatatg 360
aattcagggc tttgggctct caaaacactg 390

<210> 21545
<211> 195
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (128)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21545

ctagtgtgga gcatggcgag aagctctgga ggggagctat tgacacctga aatcaatgct 60
gtgcctcagg cattcagcaa agctctctcc gccgaatggc aaatcgaagg ccactgctgt 120
caaattgnta gcctgaccat cgactctcat tctcgccatc tgcacctttc aggtacagtc 180
gctttccttg tatga 195

<210> 21546
<211> 216
<212> DNA
<213> A.fumigatus

<400> 21546
agactaccgc cgaaacgacc gtaccgtcga acgcggagct tcagcggctc agaatctccg 60
gatgaactgg ccgtcgatgc cgacgtctac tggcggtcgc gcaaccgcgg acgcagcccg 120
tcgcactccg aaaccagcgc ccaggagcag ctgtcggagc gctatcagga tgacgagcat 180
gaggcacatg acgaggagag tacgcaggac gtatag 216

<210> 21547
<211> 534
<212> DNA
<213> A.fumigatus

<400> 21547
cgtatgtata cctacgctgt gactgtgcca atatcatcct tgtttgagcg cgaattggac 60
attgaggatc tggaatccac cgccgatgcc tttgagctca aggtggatat agcggaaggt 120
gcttccgacg gccagggcat tgactcggct ctggcagaca gaattagtca agctgtggcg 180
actatccggc gaaacatcgt cattcccctg atataccatg tcgaaagtag cttaacccct 240
gtaggttctc ctgtgcaaca caacgggccc ttacgccgct cggatgatgc atacctgagt 300
ctgatcaaac acgggttacg gctagctcct gagtacttga ctgtcgatct ctcctacagc 360
gatgatattt tatcacaggt cattgcttcc aaggggacga gcaaagtgat cgggcatttc 420
gcgtggtccc atccgtgccc aaagggttgg gaggatgcgg aaccactggc aatgtatgaa 480
cgagccagac gactaggtca tcagccgccg gatggaagat cagcctcgag agaa 534

<210> 21548
<211> 252
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (239)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21548
agagtcaata ctacttcgta ctccgcgcct ttgttttgca tgagaaacgc aatctcgctc 60
atagaggccc ccatcaatca ctccaccgaa ctgagggcga ggcgaaccga tgttttcttc 120
ttctgtatac ttgcatatat agatattctg accaatggga ttaggggtat gctcactgtc 180
ctagacaacc cacaatatgt gaacgtgaca gtcttctacc acaaagggcc gaaggaccng 240
cgctatgcgt at 252

<210> 21549
<211> 207
<212> DNA
<213> A.fumigatus

<400> 21549
agcaccgaca acatgtcatc gactgatgag aagcacggca tctcggtaga gcatggctca 60

cctggctccg ataccgacaa caagcctgcc gggcttgttg gtcaaggcga ggcggccaag 120
gtcggaggtg cgaagacaag gaaggttttc aacgttagtt acctccgcag tcggccatca 180
acacgcatct tgaacgacat gtgttga 207

<210> 21550
<211> 189
<212> DNA
<213> A.fumigatus

<400> 21550
catgacaacc cctggagctt cgtctctttc tgcctcattc cccgcctgcc agctactaag 60
cttttaattc tatataagtc cgcccacttc cagctgtcat acagttatca acgaacatta 120
tgcctctgga aaggggtgtt gtgtgaagtg gatatttact atatctcgca acatccacaa 180
gtattatag 189

<210> 21551
<211> 393
<212> DNA
<213> A.fumigatus

<400> 21551
gacgaccggg gcgtgcgggc gggttatatc tttaccgctt gtataccgac taccatcgct 60
tcaaatgtcg tgatgacccg atcagccggt ggagatgatg cagctgcttt agttgaggtt 120
gtcattgcca atttcctagg tccgttcatc acggccggtt ggactgtcac tttgctaccc 180
actaccgctg aattcgatcc gtggaggcaa gcgaacggag atttaagtga gatgtacaag 240
gatgtattca aacagttagg cctcagcgca cttttgcccc tagtaatagg acagctggtg 300
cgttgggcct ggccagagca gacggaacga gtgatgcaga cgtatcggat cgcgaagctt 360
ggatccgctt gtttactgct gattgtttgg taa 393

<210> 21552
<211> 339
<212> DNA
<213> A.fumigatus

<400> 21552
tttccgtcat attataatca ggttgttgcg atcgtgcagt ccacattgat cttcgtggct 60
gtctctgaag gattcggaac ctcgatcgac ctgctggtgc aagagcaaat caatagaatc 120
caaacagtaa gacagcctgc aagctacacg gctcgagact caaccctcac aagcatacag 180
ttggtcacaa tcagcgacat cctctaccta atcaccatct acgtctccaa atgctgcgtc 240
gtgggcatct acctccggct gacgcctcaa aaaactcaca accgaatctc ctgggcaact 300
ctcatcctat gcacattatg gatcatccca agcgcactc 339

<210> 21553
<211> 519
<212> DNA
<213> A.fumigatus

<400> 21553
gggcttcgag cgcgtatctt ctatgcccgt cggtgtaaca cgaatccatt tctcgaaacc 60
aaggaggatt cgacgctgaa tcctctcagc cccaatttca aagctaagaa ctggatgaag 120
aatctgctcg ccctttcatc ccgggatcct gaacggtatc ccaagcgtgt ggcgggtgtt 180
gctttcaaaa atctcagtgt ccatggatat ggtagcccga ccgattatca gaaggatgtg 240
ttcaactcgg tcttggaagt tggtactctt gtccgccgga tcatgggtac tggcaagcag 300
aagatccaaa tcctgcggga tttcgatggc cttgtcaaga gcggcgaaat gctggtcgtt 360
ctgggccgtc ctggaagcgg gtgctcgact ctcctcaaga ccatctccgg cgaaatgaac 420
ggtatctaca tggatgagaa ttcgtacttg aactatcatg gtatctcgtc caagtatatt 480

gtcaagcaat tccgcggggg aggctatctt cactgctga 519

<210> 21554
<211> 213
<212> DNA
<213> A.fumigatus

<400> 21554
aggttcaagg acaatcaaaa tggcgaacaa cagattgcaa tacgtgagtt tcttatgctg 60
gtatataact tctacttgga tgaaatactg attctctttt tattacacag cggagacgga 120
acccgtacgt ttgaaattcc ctcccagaag tgcacaatcc tatgcccctg cgtcgcttta 180
atcatcggtt ttttttcgc tttagttcag tga 213

<210> 21555
<211> 189
<212> DNA
<213> A.fumigatus

<400> 21555
atcgcggttg tctcctttat acacatatat ttgatctact atgtcgttct acagggtttc 60
tgtccatcct tcggtgacat catccgccac gatgttgaga tgcacgagca gaccattcaa 120
tacacaatgc gcccaagctc tcaggagttt ctcctcattt ggaaatacat accggtcatc 180
aaagcgtga 189

<210> 21556
<211> 465
<212> DNA
<213> A.fumigatus

<400> 21556
ctaactgttt cagttacagt tatgaccctc actgggctca caattaaagg aaggtgcgta 60
gaacttgagg taagtatatc ctcacagcga gggtggggaa ctgaagaaga aacagaagca 120
gcagaagaag ttgagacagt agcagaagca gtagtagaag tagaagcagt agtagaagca 180
gtagaagcag tagaagtagt agaagtagta gaagtagtag aagtagtaga agtagtagaa 240
gtagtagaag tagtagaagt agtagaagta gtagaagtag tagaagtagt agaagtagta 300
gaagtagtag aagtagtaga agtagtagaa gtagtagaag tagtagaagt agtacaagta 360
gtagaagtag tagaagtagt agaagtagta aaaatagtag aagcagtaga agcagtacaa 420
gtagtagaag ccgtagtaaa agcagtagta gaagcagtta tacaa 465

<210> 21557
<211> 414
<212> DNA
<213> A.fumigatus

<400> 21557
ctgcttctac tactgctttt actacggctt ctactacttg tactgcttct actgcttcta 60
ctatttttac tacttctact acttctacta cttctactac ttgtactact tctactactt 120
ctactacttc tactacttct actacttcta ctacttctac tacttctact acttctacta 180
cttctactac ttctactact tctactactt ctactacttc tactacttct actacttcta 240
ctacttctac tacttctact acttctactg cttctactgc ttctactact gcttctactt 300
ctactactgc ttctgctact gtctcaactt cttctgctgc ttctgtttct tcttcagttc 360
cccaccctcg ctgtgaggat atacttacct caagttctac gcaccttcct ttaa 414

<210> 21558
<211> 384
<212> DNA

<213> A.fumigatus

<400> 21558
ttgtataact gcttctacta ctgcttttac tacggcttct actacttgta ctgcttctac 60
tgcttctact atttttacta cttctactac ttctactact tctactactt gtactacttc 120
tactacttct actacttcta ctacttctac tacttctact acttctacta cttctactac 180
ttctactact tctactactt ctactacttc tactacttct actacttcta ctacttctac 240
tacttctact acttctacta cttctactac ttctactgct tctactgctt ctactactgc 300
ttctacttct actactgctt ctgctactgt ctcaacttct tctgctgctt ctgtttcttc 360
ttcagttccc caccctcgct gtga 384

<210> 21559
<211> 540
<212> DNA
<213> A.fumigatus

<400> 21559
tgtataactg cttctactac tgcttttact acggcttcta ctacttgtac tgcttctact 60
gcttctacta tttttactac ttctactact tctactactt ctactacttg tactacttct 120
actacttcta ctacttctac tacttctact acttctacta cttctactac ttctactact 180
tctactactt ctactacttc tactacttct actacttcta ctacttctac tacttctact 240
acttctacta cttctactac ttctactact tctactgctt ctactgcttc tactactgct 300
tctacttcta ctactgcttc tgctactgtc tcaacttctt ctgctgcttc tgtttcttct 360
tcagttcccc accctcgctg tgaggatata cttacctcaa gttctacgca ccttccttta 420
attgtgagcc cagtgagggt cataactgta actgaaacag ttagttacac tagaacagcc 480
aacccatcat ctattagaca ttcgatctca acgtctgatt ccacttcaga gggaaattag 540

<210> 21560
<211> 582
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (15),(22),(168)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21560
aaccctacat tttcntgggt antgccacaa ccatccggcc ccagtttttc cttcagacgc 60
tcgcgcagca aagaagtccg cgaagccatg cggaaccagg gtcgttcgcg gatgcttctt 120
cccgccgagt ttcagccaaa gactggcagt ggcaagacca tcgaaganta cacccgagaa 180
attaacaccc ttccacactt cggcttgagc gagaacctgg tcctcgacgt ggtcgaagaa 240
ttagaggcag aacaacggca caagtgcctc agtgaagaat gggccgggtt ttcatccaac 300
ggcaccgagc ccacgcctgc tacaactacc gataacgatt cgacaacatc cggcaactcc 360
tccgctgttg gctcggatgc agacgaatca acctcgggct cgcgctcacg ctcaaaaggc 420
tcatccaaca cagcgtccac ctctagcacc gccgacttcg agtctcttat cgagtcgaca 480
tccacctcca ccacgacttt cacttcctac ttggaagttg tcccagagtg cataaaagtc 540
tccgtcttca ccacggggct cgaaggaccg acgctacgcg ta 582

<210> 21561
<211> 648
<212> DNA
<213> A.fumigatus

<220>
<221> unsure

<222> (29),(81)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21561
agtggcacag gcatgtttgg tcctggggnc cgttcaggcc cacggactgg agctttcgtg 60
ggtgggaaga ggccaggaac nccgaacagt ctcaagtcaa atggtcccca atacgatttg 120
ggatctcagt ccttgtacta cattgcacca gctcctaaat ctcaaggcgg cggcgctcaa 180
cgttccctcc aaagagcacc cggccaatct gctgccagtc tcatcgacgc cgacgacgaa 240
gatccgttca tcgcagcagg catgataggc cgtggggcgg aaagcaagga agaacgcttc 300
cggagacgtc ttgtgcagca gcagcgcgaa cgagacatca ctcagaagct agtcacctct 360
cgagcgggca acgtgggcgc cgagtacctc cgctcaagag caaacaagcc cacaacatcc 420
tctcagccag aaagcgccgc ctcgtcttca caagagaaat ccagcttcga ggcctccacc 480
ccggtttctg cgaccagcct cggcctaacg ggcttcagga gagcggacac cgtcaagctc 540
agtccactga agcgcgccta cgacggcgac aaacagcaca atggcagcgt caagaagacg 600
cgattcataa cgtcgtcttc accgcggttg caagagccgt ctaggcaa 648

<210> 21562
<211> 480
<212> DNA
<213> A.fumigatus

<400> 21562
cgcggatgcg gcgctcccgt ggtgaagacg attgattccc taacggccct atgtaggagc 60
tcgggaccga gcggtggcac actgaatacg gtgctcacaa tcttcgattc tctttccttc 120
tccgacatcc tcaaatccac ggaccccttc gctttggccg cctccgcgcc ccccaagaat 180
gtccccagcg agccacttgt agacaagatc ctaggtgtca ggtctgttcg ggacttgggt 240
actctcacca cgtcgccatc ggctatggca gacatcacaa ttgtgcaccg cagcagtacc 300
ctgatgccgg aattctacgg gccactattc tacttccggc aatttgtcaa agttagaaat 360
gcacttgtcg gcataatctt tcattatgcc ttcatcatcg gcttgtgtct tctgacactc 420
cctcccgtgc gcgcactggt gcgacagttc gtctacgccg caggtcaggg gccgcggaag 480

<210> 21563
<211> 633
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (24)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21563
acctttcttc ggctcggcgt taanaagaga cgagaacgcg ggaggagact gggtctgcct 60
gacctgccgc ccgccagcga gaaggacgag tcgactctcg gagaggatga ggtggatata 120
ccggatgagg agctgaacca aaaacttcgc gacctcaagg agcctatctg tctgtttgga 180
gagaatcatg ttgcccgtct gcggcgttac cgccgtcttg tccgtcggtc gatgacgcct 240
cagccaaaag tgacggacgg gcctatcccg actaccctgg aacctgtatc ggaggtggac 300
atgaagattc caaccaccct tcctaaggac gcagatggtc gcaagttctt gttccggcag 360
ttggcctcgt acttcaacat ggtgctgctg gagtgggagc gtgctctcgc cagacgggat 420
gcatcggtca agcagagtct gaccggtcgt caggcttaca atgcgatggt tcagtcgagg 480
gaaaatttga agccactctt ccggaaattt gagaagaacg acatcgatga taacctgttg 540
gagcctatta tggagatcgt gcacaatgct cagttgcgga gatatgtcga tgcccatgac 600
gcgtatctac gcgtcagtat cggaaaagcg taa 633

<210> 21564
<211> 522

<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (281),(521),(522)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21564
aagtctgaca ctaccaagtc tgaccctgtg aacgaagacc ctgtcccgcc ggaaggtcta 60
tatgtcaaga aggtctcccc agttagcgag gtcagctcac aacttgcaca ctgggaacac 120
gtcaagcctt cgtccctctt gtccagcaaa cctcaccatg attcatctgt gtacaaagaa 180
ctcgtcgaca agttctgttt ctatggatcc acgaagggct ccaatggcac aaacgactca 240
cttagtaacg ggaaatcgca tcccgatcct ccgagcacat ntagcacctc ccccgcacaa 300
tccttgtccc cccctctctc accgcgttcg acagaggtct tgggcatcga ctatgggaat 360
agctgctcgt cgtctgctag cccagtcagc tcaagccctc gtgcagcttc atcatcacca 420
cctcatttcg actatgctca tcactctcac gtgcagagca acttcttaaa agagagctcg 480
accccggcag tcatcagagg gtgcgtttgg ctcttccagt nn 522

<210> 21565
<211> 225
<212> DNA
<213> A.fumigatus

<400> 21565
ttgacgggga agatgtcagt tggggctcgc gacttgagta tgaatgagtt cagggagaag 60
caagaagtga aagtcatgat tgcaagcctc atggccggcg gtacagggat tgacatgtcc 120
atggcaaata aatgtatcct tgtggatctc tggtggaacg aagccgtgca gcagcaggta 180
cgcatttgtt tacggacaac cgagaatacg cgttctaact ggtaa 225

<210> 21566
<211> 228
<212> DNA
<213> A.fumigatus

<400> 21566
ttatctcagg cgttctgtcg actgtacaga ataggacaag agaaagtggt ggaggttgtc 60
aaaattattg tccataacac gattgatgac tacatccttc aactacaaac gaagaagtcg 120
gtcaatatca acaaagccat tggtgaagaa gcactgcata aacgagacaa gattattgac 180
cttcttaaaa tgttcgcgga agtcgaggtg ccagacaacg gtggcatc 228

<210> 21567
<211> 189
<212> DNA
<213> A.fumigatus

<400> 21567
aagtctaaat acgtcgctta tgtttccccc aactatgacg ggacggcgca ggagtcgatg 60
gttccaaagg tcggcgaatt tctggccgtc gaccccggag agcgtgccct actccgtgcc 120
tatcaatatg cggataacag agatggcgac gatgagacgc gtaaactctg tttgcgctgg 180
gatatatag 189

<210> 21568
<211> 525
<212> DNA
<213> A.fumigatus

<400> 21568
ttgtccgtcg cgacactctc catcgtctcg tatcataaag atccaaaacc ggtggatttt 60
ggaaggcagc tggccgcttc cgcatggttg ctgtacatgt gcgctgctgc tctgggggt 120
gtcaatgatg ccaaggtctg gggcaatcgt gccctagttc gccgaaacac ttacggggag 180
agcgcgtgct ggtacgctag cctagtcgcc aggcttaccg ttccaattgc atacaacttc 240
ctgacgttcc tgccgctgag tgtacgacaa aacaccatct tctatcattt cctcggtcgg 300
ctcattgatc tcacgccact aggtcaagga tacgattatt tctttccggt ctttatccta 360
ctacccgtct ttgccactct cttcaacctt tacgggagga tcaagaatgt atgcggttta 420
ggtctgattg aagaggatga caatgagttg gagagtaacc ccagcggcta cgggctagcc 480
ggttgtcttc acgccacgga gctggccgaa tccgcgctta tgtta 525

<210> 21569
<211> 711
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (142)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21569
aagcgcctat ttccaacaac atgccctttg acatcaaacg atgaattcat gttctccttc 60
atggagccgt tgttgcattt caccatgggt ggtatcgaga tcaacgagca cgttcaggtc 120
ttcaactccg agaagaagcc tntcaatgtt ctctacgctt gtggtgaact tgcgggtggt 180
gtccacggtg ccaatcgtct tggtggttct tctctcctgg gctgcgttgt ttacggtcgt 240
gttgctggtg atagtgccag ccagtacctg ttcaagaagc tgacgtccgg ctccaccacc 300
gcccaacagc gtttaggcca aatctccctg cacatcgatc cttccactcc cggcaagatc 360
tccgtcgagt ggaacggtgc cgctgccagc ggcgctggca gtgctcaggt gactgctgcc 420
cctgaggctg tccagactgg cggtcagggc gcccctgccc ccgctgccgc ggcctcgaag 480
cccaatgaca tttcgaactt caagattccc gagaaggagt acaccatgga ggaggttgcc 540
aagcacaaca agaaggatga cctctggatc gttgtcaagg gtgttgtcct ggacgttacc 600
aactggcttg acgagcaccc cggtggtgcc aacgccctgt tcaacttcat gggtcgtgat 660
gctacggaag gtatgtcatc tcatcctcga accaccagac gcccctgcta a 711

<210> 21570
<211> 312
<212> DNA
<213> A.fumigatus

<400> 21570
attcgttctg ttccctcggt ctccgaatcc gattctcaat ctcacaccat ggcggacgac 60
aagaaaacga atgagtatac catcgagatg gataagttag atcacggcaa taaggatttc 120
gaggcgccgg cccctgctgt tcggcccaga ggtcctccag ttgcgcagct tgccaataat 180
cccatcctgc ctgtactggc ttattgcggt tcatctattt tgatgactgt catgaacaaa 240
tatgtccttt ccggcaggga tttcaatctc aatttcttcc tcctttgcgt gcaggtaagt 300
tggtcagatt ag 312

<210> 21571
<211> 981
<212> DNA
<213> A.fumigatus

<220>
<221> unsure

<222> (748)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21571
gaatggcgcg caccttccag ccccgtggtg aagacgcgga tgcaagaggg gactgggctc 60
caggagggga cgcacatgca ggaggggacc gggctgcagg aggggacgca gatgcaggag 120
gggactgggc tgcaggaggg gactgggctg caggagggga cgcagatgaa ggaggggggcg 180
gggctgcggg agggcatgca gataaaggag ggggcggggc tgcgggagga gacgtggatg 240
tgggagggca cgcggatgca ggaggggatg cggacgcagg aggggacgga gctgcaggag 300
gggtcgcgga tgcaggaggg gactgggctg caggagggag cggtgctgca ggagagagcg 360
gagctgcagg aggggacggc gctgcagaag gagatgcaga tgcaggaggg gacgcagatg 420
caggagggga cgcaggtgca ggaggggacg cagatgcagg aggggacggg gctgcacgag 480
gagatgcatg agggggtgca ggtacaggag gggttggagc tgcaggacgg gacacagatg 540
caggaggggg cgcagatgca ggaggcgacg gggctgcaga aggagatgca gatgcaggag 600
gggatgcaaa tgcatgagga gatgcaaatg caggagggga tgcaggtgca agatgggacg 660
gggctgcatg agggagcggc gctggagggg acggggctac aggaggagat gcagatgcag 720
gaggggggtgc acgtacagga ctggtcgngg cttgaagatg ggacacaaat gcaggaaagc 780
tttgggctgc acgaagggaa gcaaatccaa gaggggactc gggtgcagga gggaacccgg 840
gtgcaggaag gtgcgcaagg ccaggaaagg gacccggttg caggaaggga cacacgtcca 900
ggaggggacc gggctggcag aagaataagc aatagcccgg gggggggagg tcccagaggg 960
gtcggggcct ttatgaaggg a 981

<210> 21572
<211> 723
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (543)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21572
aggaggggggc ggggctgcgg gaggagacgt ggatgtggga gggcacgcgg atgcaggagg 60
ggatgcggac gcaggagggg acggagctgc aggaggggtc gcggatgcag gaggggactg 120
ggctgcagga gggagcggtg ctgcaggaga gagcggagct gcaggagggg acggcgctgc 180
agaaggagat gcagatgcag gaggggacgc agatgcagga ggggacgcag gtgcaggagg 240
ggacgcagat gcaggagggg acggggctgc acgaggagat gcatgagggg gtgcaggtac 300
aggaggggtt ggagctgcag gacgggacac agatgcagga gggggcgcag atgcaggagg 360
cgacggggct gcagaaggag atgcagatgc aggaggggat gcaaatgcat gaggagatgc 420
aaatgcagga ggggatgcag gtgcaagatg ggacggggct gcatgaggga gcggcgctgg 480
aggggacggg gctacaggag gagatgcaga tgcaggaggg ggtgcacgta caggactggt 540
cgnggcttga agatgggaca caaatgcagg aaagctttgg gctgcacgaa gggaagcaaa 600
tccaagaggg gactcgggtg caggagggaa cccgggtgca ggaaggtgcg caaggccagg 660
aaagggaccc ggttgcagga agggacacac gtccaggagg ggaccgggct ggcagaagaa 720
taa 723

<210> 21573
<211> 489
<212> DNA
<213> A.fumigatus

<400> 21573
atggcgcgca ccttccagcc ccgtggtgaa gacgcggatg caagagggga ctgggctcca 60
ggaggggacg cacatgcagg aggggaccgg gctgcaggag gggacgcaga tgcaggaggg 120
gactgggctg caggagggga ctgggctgca ggaggggacg cagatgaagg agggggcggg 180

gctgcgggag ggcatgcaga taaaggaggg ggcggggctg cgggaggaga cgtggatgtg 240
ggagggcacg cggatgcagg aggggatgcg gacgcaggag gggacggagc tgcaggaggg 300
gtcgcggatg caggagggga ctgggctgca ggagggagcg gtgctgcagg agagagcgga 360
gctgcaggag gggacggcgc tgcagaagga gatgcagatg caggagggga cgcagatgca 420
ggaggggacg caggtgcagg aggggacgca gatgcaggag gggacggggc tgcacgagga 480
gatgcatga 489

<210> 21574
<211> 696
<212> DNA
<213> A.fumigatus

<400> 21574
ccccgtcccc tccagcgccg ctccctcatg cagccccgtc ccatcttgca cctgcatccc 60
ctcctgcatt tgcatctcct catgcatttg catcccctcc tgcatctgca tctccttctg 120
cagccccgtc gcctcctgca tctgcgcccc ctcctgcatc tgtgtcccgt cctgcagctc 180
caacccctcc tgtacctgca ccccctcatg catctcctcg tgcagccccg tcccctcctg 240
catctgcgtc ccctcctgca cctgcgtccc ctcctgcatc tgcgtccctt cctgcatctg 300
catctccttc tgcagcgccg tcccctcctg cagctccgct ctctcctgca gcaccgctcc 360
ctcctgcagc ccagtcccct cctgcatccg cgacccctcc tgcagctccg tcccctcctg 420
cgtccgcatc ccctcctgca tccgcgtgcc ctcccacatc cacgtctcct cccgcagccc 480
cgcccctcc tttatctgca tgccctcccg cagccccgcc ccctccttca tctgcgtccc 540
ctcctgcagc ccagtcccct cctgcagccc agtcccctcc tgcatctgcg tcccctcctg 600
cagcccggtc ccctcctgca tgtgcgtccc ctcctggagc ccagtcccct cttgcatccg 660
cgtcttcacc acggggctgg aaggtgcgcg ccattc 696

<210> 21575
<211> 978
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (233)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21575
cccttcataa aggccccgac ccctctggga cctccccccc ccgggctatt gcttattctt 60
ctgccagccc ggtcccctcc tggacgtgtg tcccttcctg caaccgggtc cctttcctgg 120
ccttgcgcac cttcctgcac ccgggttccc tcctgcaccc gagtcccctc ttggatttgc 180
ttcccttcgt gcagcccaaa gctttcctgc atttgtgtcc catcttcaag ccncgaccag 240
tcctgtacgt gcacccccctc ctgcatctgc atctcctcct gtagccccgt cccctccagc 300
gccgctccct catgcagccc cgtcccatct tgcacctgca tcccctcctg catttgcatc 360
tcctcatgca tttgcatccc ctcctgcatc tgcatctcct tctgcagccc cgtcgcctcc 420
tgcatctgcg ccccctcctg catctgtgtc ccgtcctgca gctccaaccc ctcctgtacc 480
tgcaccccct catgcatctc ctcgtgcagc cccgtccccct cctgcatctg cgtcccctcc 540
tgcacctgcg tcccctcctg catctgcgtc ccctcctgca tctgcatctc cttctgcagc 600
gccgtccccct cctgcagctc cgctctctcc tgcagcaccg ctccctcctg cagcccagtc 660
ccctcctgca tccgcgaccc ctcctgcagc tccgtccccct cctgcgtccg catcccctcc 720
tgcatccgcg tgccctccca catccacgtc tcctcccgca gccccgcccc ctcctttatc 780
tgcatgccct cccgcagccc cgcccccctcc ttcatctgcg tcccctcctg cagcccagtc 840
ccctcctgca gcccagtccc ctcctgcatc tgcgtccccct cctgcagccc ggtcccctcc 900
tgcatgtgcg tcccctcctg gagcccagtc ccctcttgca tccgcgtctt caccacgggg 960
ctggaaggtg cgcgccat 978

<210> 21576

<211> 969
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (223)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21576
aggccccgac ccctctggga cctccccccc ccgggctatt gcttattctt ctgccagccc 60
ggtcccctcc tggacgtgtg tcccttcctg caaccgggtc cctttcctgg ccttgcgcac 120
cttcctgcac ccgggttccc tcctgcaccc gagtcccctc ttggatttgc ttcccttcgt 180
gcagcccaaa gctttcctgc atttgtgtcc catcttcaag ccncgaccag tcctgtacgt 240
gcacccccctc ctgcatctgc atctcctcct gtagccccgt cccctccagc gccgctccct 300
catgcagccc cgtcccatct tgcacctgca tcccctcctg catttgcatc tcctcatgca 360
tttgcatccc ctcctgcatc tgcatctcct tctgcagccc cgtcgcctcc tgcatctgcg 420
ccccctcctg catctgtgtc ccgtcctgca gctccaaccc ctcctgtacc tgcaccccct 480
catgcatctc ctcgtgcagc cccgtccccc cctgcatctg cgtcccctcc tgcacctgcg 540
tcccctcctg catctgcgtc ccctcctgca tctgcatctc cttctgcagc gccgtccccc 600
cctgcagctc cgctctctcc tgcagcaccg ctcctcctg cagcccagtc ccctcctgca 660
tccgcgaccc ctcctgcagc tccgtccccc cctgcgtccg catcccctcc tgcatccgcg 720
tgccctccca catccacgtc tcctcccgca gccccgcccc ctcctttatc tgcatgccct 780
cccgcagccc cgccccctcc ttcatctgcg tcccctcctg cagcccagtc ccctcctgca 840
gcccagtccc ctcctgcatc tgcgtccccc cctgcagccc ggtcccctcc tgcatgtgcg 900
tcccctcctg gagcccagtc ccctcttgca tccgcgtctt caccacgggg ctggaaggtg 960
cgcgccatt 969

<210> 21577
<211> 261
<212> DNA
<213> A.fumigatus

<400> 21577
acagatctct actccatgat tggctccatc aagagcatct tctggctgtt caatcacaaa 60
gagctagtga aggtcgtcga tgatccagct tgtattctgg aggacgagat catcgcaatc 120
ccgcgcaaca taaacccgat gggatttta atgagctatt attccgagct ggaaaagatg 180
ccgttgttca ttctacagtt atacgagagc gtccgtcccc attcttcacc acaggcaagg 240
accgaccagc gctatctgtt a 261

<210> 21578
<211> 195
<212> DNA
<213> A.fumigatus

<400> 21578
cacacgtatg ctgaccttcg ggctacttat ccgcacagtc gaatattttc cgtatttttc 60
cacgagcagg cagcttccta cgaaggtaag aaacaaaaca ccatgaatac atttgaatcg 120
accattgtga aaggctacct ggataaaagc aggctacatt ttaccacgca aggaacctat 180
ttgagattgt attga 195

<210> 21579
<211> 219
<212> DNA
<213> A.fumigatus

<400> 21579
tacaggttag ttgccgattg gtgtcatgca ttgctcagca ctgataccct ttccctacag 60
ctggaacaag cactcgaggt ctccgagaaa gatgtcaagc acgcaagtgc cggggtatta 120
caagacctga agcggtttca gaaggataag gaggccgatt tacggcgata tatggtaggt 180
tgtccattcg cgccgacaga cgaccatgct aattgctga 219

<210> 21580
<211> 921
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (34),(53),(57),(62),(64)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21580
gggggtcgcg gtggtagagc aatagataga tccntccatg gttgcgttgc gtnaganagg 60
anangaggtt gggtctccgt caatgtggag aatctatcca tcatcccatt ccgggactca 120
agccagggtg ctggcctacc tctactgtct cgtgtctcta atgtgtttgc gcctacgccc 180
attgaccctt tcaaggtcgc agaaaatggg cttgactcaa tctatgtctc tgcaaagagc 240
cagatgatgg agacggttgt gacagtcatc cctccaatca agtacaagct tgaatatcct 300
tctgtacact acgccgcttt gggtgaaagc cgcactttcg atatcgagta caccgatcaa 360
ttcctcgacg ccgttggcgg gcgtgtcatc gagagtcttc tcaagagtat cgaagatcct 420
atcatcagca agtggatcat tgctgctctg accctgagca ttatcttgaa cggctacttg 480
ttcaatgccg ctcgctggag cattaaggag cccgaagttg cccctgtccc tgccgccccc 540
acggtggctg tggtggaagc gaaaaaggaa taccctaaga tcgacttgaa ccccgacact 600
cccaagaaga gtttagaaaa atgtgaggcc ttcttgaaag agaaacgagc cgcttacttg 660
agcgatgaag aattgattga actttccctg cgaggcaaga ttcctggcta tgcgttggaa 720
aagaacatgg agaaagaaga cctccttgac ccgggttgga tgcggttcca actaaaaaac 780
gggcccaaaa attccggtcc caaccctggt tggtttggct cccaaaattc cccggcccca 840
cttttcccgc ccaaattcca aaaggggggct tctcttttgg ggaaaatgtt ttcccaaaaa 900
acccttcccc ccattttaaa c 921

<210> 21581
<211> 288
<212> DNA
<213> A.fumigatus

<400> 21581
attgaattca ctaattgttg tagctgggtc ttctcctccg agctttcggc ttcccagtcc 60
agcggccatg ctatttacaa gccgtccgct aatgcccaaa agctgaatgg ctacacctgg 120
aagatccaat atggtgatgg tagcagtgcc agcggtgacg tctacaagga taccgtcact 180
gtgggtggtg tcactgctca gagccaggct gtggaggctg ccagccatat cagctctcaa 240
ttcgtgcagg ataaggacaa cgatggtccg ttttcaccac tgggatag 288

<210> 21582
<211> 396
<212> DNA
<213> A.fumigatus

<400> 21582
tgttggtcgg ttcagggaca gagttaccaa aatcaaggat cgtcccaaag ctacccatac 60
ggaaaccaga accagaaccc gtaccagaat cccgagcacc agggaaaacc cgcgaagcag 120
gataagcttt cagggctcct aggaaaactt caagacaccg tcaccggact tggttcggaa 180
gtcgcccagc gagtcggcaa tgttcttgat ccacaacagg catatgcaga gcatggtccg 240

aataagcctc agtcggagca cagatttggt agctttgccc ctccgcggca ggccaacgat 300
gcgaagtggt atgtcgacgg atgctcttac ttctatgctg tctcaaaagc tctcgagagc 360
gcccgggaat caatctggat tctggactgt aagtga 396

<210> 21583
<211> 552
<212> DNA
<213> A.fumigatus

<400> 21583
acaggatcgg tgaaggtaac gacttccttt ctctcttgtg attggaattg tccctaccca 60
ctcggtgaat gtatgctgag cgttggactt ttgatcacca tagggacatt ctcaacagtc 120
tacaaagctg aggaccttct gtacgaccat tacaagaatg attgggacac tttccaggaa 180
acccaaagca gtaactggtc aagtccccca gcaaagagac ggcgagtgga ggagtcggtc 240
accaaacgga gaaaaccgcg atatgttgca ctgaaaaaga tctacgttac cagcagtccg 300
ttgaggattc aaaacgagct ggaactgctc catgacctcc ggggctgccg gtccgtgtgc 360
cctttgatca cagctttcag gcaccaggac caggttgtgg ctgtcttgcc tttctttccc 420
cataccgact ttcgcattca atatcgcaca ttcatggtcg ccgatatgcg acattatttc 480
agatcccttt tcacggcgct aaactccgtt cataagcaca atatccttca tcgagacatc 540
aaaccaacgt aa 552

<210> 21584
<211> 354
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (15)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21584
gcggagctaa cagantaccc agccccttc tcccctcga taggccgcaa cgcaacgcaa 60
cccaaaatca tcgccccagc atcaactttc aagttcatcc ccaaggacga ccgcatccca 120
ccaagtgccg aacctgtgga ctcccatggc ttcccagcag gaacgcactg ggtcgacttc 180
gccaagccag gcaccatcgc cgtgctcgag cagcctgcaa accagcactg cgccgtcctt 240
ggtgggatca tggccgttcg gatgaaggtt ttgggtgtgc gcggagtgct ggtgaacggg 300
cgtgtgaggg atgtacagga gtcttcacct cgcaagtggc aggatcagcg ctag 354

<210> 21585
<211> 543
<212> DNA
<213> A.fumigatus

<400> 21585
acgcaatgcg gatctcgacg cctttgtgaa aattggacat gtagcacata catctatgaa 60
gatggcaatc ggttgtcgaa ggccgatcac aaccttgcta gacccctgtc cactaaagtg 120
aaaccccccat ttgagtcgtc gtggtgggcg aaactgttca cagaactcac acaggacaag 180
caaatggccg aaaaatccgg acggcatcag aacgcagatg accatatccg gcagttcttc 240
cgctctttat cagcagtcca agaaattcga gcgatctctc aaaactcgcg gcgagtctct 300
cagggctctg gtcatccggg cgactgcagc aagaggatgg caatcttact gtggaagttc 360
cggcagactc tacctgacga ggtcgggctg acaacatgga ggaagctgat tcctccaccc 420
gaccgaacca tgatgaatag tccgaagccg gctacaggaa ttgatctgcc cccattgtct 480
ctcgactcga ttttactgaa accgcatccc ccgaacgtgt atcaaaatcc tcaagggcac 540
gac 543

<210> 21586
<211> 468
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (382)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21586
tccttctcac ggacactgag cacttctgct ccctcgagga ggtcacgatc tgcgtcgcgg 60
acgctgcggc gctcagggtc ggcgccgtat gccccggcgc cccaactggc tattcctccg 120
accatggtgg ccgaagcggc ggcgccggtg cggggatcga aatcgtcctc ctcgtcttcg 180
tcgtcttcgt ctcggttgag tgcattgcgc tccagttccc gttgggcctc gtccattcgc 240
ttcttgacct cggcggccat tcggatcccg tcggagacga tgttgtccag gacgccacgg 300
agacctttcc ccgggggaac gatgccgcca gatgcgccac caacaggtgc acctgatacg 360
gtgctacctg gggctttatc antgccgatg tttgagaagg tggtcagatt acactacaag 420
gacatggttg tcgatgcacg gtggaggatg atcggacaga ccgaatga 468

<210> 21587
<211> 264
<212> DNA
<213> A.fumigatus

<400> 21587
gtccgtgccg taagttccaa tacattgtgt cgtccattgc agcggactcg gagactgact 60
aatgcagtga tgagtttcac ttccatgttc tacaagagat ctgaacagcc tctgcgtatg 120
agtctctgga tgtctggcaa cggcatggcc acgatgatcg gagcgcttct cagtttcgga 180
gtgggccatt ctcataatac caatattcac agctcgcagc tcatattcgt cctcacaacg 240
gccaaaaagg accgcaagtg cgta 264

<210> 21588
<211> 351
<212> DNA
<213> A.fumigatus

<400> 21588
tcccagatct cggtctcgaa ggccagagat attcttgggt tgctgctatt ttctactttg 60
ggtactccag acccttttctc atacaacgga gccgacttcg ctaacccgac aaggtacgtg 120
ttctgggcaa tcccggcgaa tctcctgatt caacgattgc ccctagcgaa gtatatgggt 180
ggagtcatca tcatttgggc cgggctcgtt attgcgcata tcggcgctaa gaattatgcg 240
ggtatcctgg ttttgagatt cctgttgggc atggcagagg catgcgtaag tccgtgccgt 300
aagttccaat acattgtgtc gtccattgca gcggactcgg agactgacta a 351

<210> 21589
<211> 420
<212> DNA
<213> A.fumigatus

<400> 21589
gctgggattc tacggtatcc atcattcacc ccgttagtca tggtcttcat acatgccatc 60
acgacggcga gcacattcga tctggcattg ttgcaggata ctgttcagtc gttgcaacta 120
ttcaagggcc tctcccgtgg ctcggaccgt ctctacacaa tctgtgcggc tttttccagg 180
acggctcaga tcctcgtaga ctcggaagaa acgctggaag gcctcacaca acaccgggac 240
ggatcgcttg tcatgccggc tctagatagc aacatcgctt tgcccaacgt ggactggccg 300

gaaaatgtgt ttgactcgca tatgaacagc actgacatct ccatgttcct caatgatttt 360
atcgggacac atcgttcagt gatggatatt ttgaactctg actacgtgaa tgagacttga 420

<210> 21590
<211> 468
<212> DNA
<213> A.fumigatus

<400> 21590
ctaattagac cgactccgct ctccgttata catggtgcca ctcataccac cccaccacca 60
gcagtcccag ccatgaaaat catgcgccgg aatgacgggg atcggccttc caccgaagga 120
agtactgcag caagttcttc ggtgccttca aagaccacat ccgaggtagg cgacagcggc 180
aacgacggcg agcgtggttc ttcagctggg gccactcctg ccaaagatag gatggcctta 240
acacgagaag agcgagaagc taaataccag gaagcaagag agcggatttt tcgcgacttc 300
cctgagacga aatcctccga tatcagtgac caggggacga gtatgtcacg ctcgagctcg 360
acaagtggac gcaagaaaac acaccgacag aagactccac atgacgacag tttggacgcc 420
cgctctcaat tctatgccat tatgcgacca gggctggatt actcgggt 468

<210> 21591
<211> 645
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (10),(11),(12),(13),(14),(15),(16),(17),(18),(37)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21591
aaattccccn nnnnnnnngg ttgcggggaa ggaattnatt cccgtatgag ccccgatgag 60
ggaatggcgg tttctttttt gtcttggaac atgctaacct ctcagcccct actgcgtaat 120
cttcctcctg attccaactt tgccaaggcc ctcgtgctgg gtattgcgct ggctgctaat 180
gttggaggcg ccgcgtcgcc gatagcgtcg ccccagaata tcattgcgct gcagaacatg 240
tacccgagta tcagctgggg aacctggttc tttatttctc tgccagtctg catcatttcg 300
attcttttga tttggctgct cttactggca acgttcaaac ccggccggga cacgaccatt 360
gtgccgatta gaccggtcaa ggaccaattc tcgggagtgc agtactttgt cacgattgtg 420
acgctgtcca ccatcgggct gtggtgtgtc agccatcagc tcgagcacgt ctttggggat 480
atgggggtga tcgccatcat cccgatggtg ctgttctttg gcacggggat cctgaacaag 540
gaagacttca acaacttctt gtggacgatc atcatcctcg cggctggggg tctgtgtctt 600
ggcaaagctg taataagccg cccggggctg gatgatcatg ggttg 645

<210> 21592
<211> 270
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (16),(35)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21592
acagtggaat atccancccg gcgggtctct caganaccgc gcgacagccc ggaccccact 60
ggccatggcc tcgagcacca ccaacccaaa agtctcggta atcgagcagt gcaggaagag 120
gtctcccgaa gcatatgcac gagccagtgg ttctccggtc aagaaacctg tgaaaattac 180
atgatccctg acagtatcaa agagacggtg gatgtttctt tcaacctccg gattgcggtt 240

tcctccgaca atcaaaagct tgaacggtag 270

<210> 21593
<211> 864
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (29),(88),(144),(169),(202),(223),(328),(357),(830),(849)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21593
attcgcaggt gccccaacag gccggagcna ccagaggcga atctgcgact gccaggttat 60
cttctccggt acaacccaga tctgacgntg gtgtacccgt tccgcctgaa agatatttac 120
aaggagcccg cccagccgga tatngtttat gtggcgagtc caggttccnt gggtttccag 180
ttattactgt acttgcggca gntacgaaag ccccccgttg tgntgctgaa cttccaaacc 240
gacctgtcag catacagtga gatcatcctc ccatctccat tgagtcggtg gtctgtttgg 300
ttgttggcag tggtgcaagg tttccttntc agcattcccg ctgtgcatac cattttntac 360
ccatcatcat ccatcttacg ttatctgaag gacgccggcg cgcctgccac acgagctgtc 420
aaattgggac gaggcgttga taccatcttg ttccatccct cccgtcgcga cgaggccttt 480
cgaaaggaga ttgcgcctga cggggaaatc atccttgtct gcgtgtgccg gttagcccta 540
gagaaaggat tcgagtttct ggccgtggca gcagccaaac tcgcggaaga gaagctaccg 600
ttcaagcttt tgattgtcgg aggaaaccgc aatccggagg ttgaaagaaa catccaccgt 660
ctctttgata ctgtcaggga tcatgtaatt ttcacaggtt tcttgaccgg agaaccactg 720
gctcgtgcat atgcttcggg agacctcttc ctgcactgct cgattaccga gacttttggg 780
ttggtggtgc tcgaggccat ggccagtggg gtccgggctg tcgcgcggtn tctgagagac 840
ccgccgggnt ggatattcca ctgt 864

<210> 21594
<211> 189
<212> DNA
<213> A.fumigatus

<400> 21594
agacgtctgg gggggtcggc gaatgagacg gatgtgtctg ctcgcatcac agcgcaggtg 60
gcgctggcga cgaggccgga tttcttgctg tcgaaaccgg ggatcggagc tgatgagggg 120
ctgatgatcc ttaccaatga gatgctgcgg gggattgcat tggcaaagag agcacattgt 180
aagttgtaa 189

<210> 21595
<211> 573
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (135)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21595
agaatctata tggttccatc gccaggtagc atatgcgctg ctcatcttca ctatcataca 60
cgttgcttcc cattatgtca agtaagtcag acgtggttga acgctatgtg gagattggta 120
atccgccgaa gtttntacaa catcgagaaa gacaaattcc gcgccgtaac tggtatccag 180
cttcattata cccaggcagg tggaatcacc ggccatgtca tgctcgtatg catgatgcta 240
atgtatacaa tatcccacca tcgcatccga cagcagtctt tcgagacgtt ttggtacacg 300

caccacctgt tcattccctt cctgctggcc ctcaacacgc atgcaactgg ttgctttgtg 360
cgagacactc cagaaccaac ttcgccattt gcgggaaaga ggttttggaa ccattgcatt 420
ggttaccaag gttggaggtg ggaactggta gggggcagtc tctacctcat ggagaggctc 480
taccgcgaga ttcgatccag acgggccacc gtcatcacaa aggtgatccg tcatccatat 540
ggtaagcgac acctccgcga ttgcagcgct tga 573

<210> 21596
<211> 423
<212> DNA
<213> A.fumigatus

<400> 21596
gagaccgcaa tacacgacca ctttctatta ctgttgacga ctgccttccc atcacatttt 60
atttcatcca tcatggcggc taacggtctg tacaacattt accggcttgc catccccgtg 120
gcgacgggtg cgatgatctt caacgcttcc atttacgacg tccgcggtgg aacacgggcg 180
gtcatcttcg accgattgag cggcgtccag gagaaggtcg tcaacgaggg cacacatttc 240
ctgatcccct ggctgcagaa ggcgattatc tatgatgttc gaaccaagcc tcgcaacatc 300
tccactacaa cgggaagtaa ggacttgcag atggtgagct tgaccctgcg agtcttgcat 360
cgccctgatg tcccgaagct cccggtcatc taccaggtga gtccacattg ctccaaggct 420
tga 423

<210> 21597
<211> 300
<212> DNA
<213> A.fumigatus

<400> 21597
cttgagtcca gagccgttct tcagaatgta ccaatagcat atagaggctg gggccaagtt 60
ttgcggaagg gcaacagtgg cattcttgtt tgccatccag actttctcga cacggatgtg 120
tcgtcatggt ggtcgactct gttgggagaa gagggtcgtg catttgatgt tcgacggttc 180
tttgtcaatt gtataaaccc aatggggtgt ccctatggga gcgtaagtcc gctcaatgcg 240
ttcaaaggag cccatggacc agcgtttcca ttgactacaa tccgcgatca tgttaggtaa 300

<210> 21598
<211> 309
<212> DNA
<213> A.fumigatus

<400> 21598
ctcctcccct cctacgattc ccccaccccg gactccacgt ctctaccaca gaccgctgtc 60
tccccgcacc agaacctaac cttcgacagc tggatcccat ccacgaacct ggcaactgtc 120
gatccgatgg atcagcctag ggaatttctg gactggcgcc agctgttctc ctttaccgat 180
ccggatcagc ctgtgctgcc gatgagcatg gatgggcttc cggagctgga ggatgaatgg 240
cggcagatct actggcagga gacaccgatg tcagatcttc tccaggacgg aggatggatg 300
cacggctag 309

<210> 21599
<211> 597
<212> DNA
<213> A.fumigatus

<400> 21599
atcttctgca tggcggtgtt tatcggtccg tttgcggcgc cgtttgtagg cggtttcatc 60
acgatgagtg cgctcggttg gcgctggacg atgtacatct ctgcgataat ggtgttgctg 120
ggatttgtgc ttgttgtgct gttcctggat gagacctatg cgcctgttat tctggtgcgc 180
aaggcggcga cgctgcggcg gcagacgcat aattggggta tccatgcgaa gcaggatgag 240

gtcgaggttg atttccatga actggtgcgg aataatttca cgagaccgct gaagatgctg 300
ttcaccgagc cgattctgct gctgatctcg ctgtatatct cgtttatcta cgggctcatc 360
tatgccctgc tcggtgcata ccctgtcgtc ttccagaggg tgtacgggat gaacatgggc 420
gaggggggac tggcgtttgt cggcctgatc attggagaat tgctcggtgg cgtcttcatc 480
ctgtttctcc aaggctcata catcaagaaa ctggctgcga atggagacgt tcccgtgccg 540
gagtggcgtc ttccccgcgc gatgtcttcg caacggggct ggaaggaccc gcgcttc 597

<210> 21600
<211> 348
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (15),(69)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21600
atttatgcgt ccaantacct cacacagagt tacgggttgt atgccgcgtc ggccatggcg 60
ggtaactcng tcattcggag tatcctggga ggtgtgttgc ccttggtggg ctcgtatatg 120
tacgcgggga tcgggcccaa ctggtcgggg acgctgcttg gattgctcga agtggccatc 180
atcccgattc cgtttgtttt ctacaaatac gggtataaga tccgccggaa gagcgcgctg 240
attatgcgca tgcagatgga tcagatgcga ctggagggga agcgaaaacg gctggtgcag 300
cgcacagagg gcaacgcggc aactgagcag gtgaaggtgg aggtttag 348

<210> 21601
<211> 345
<212> DNA
<213> A.fumigatus

<400> 21601
aagaccaatt ctctgacctt ttttattttt gcaaaatata tagattggag ggttcgctgg 60
cgaaagctgg tatattttac caaggaattg gactctcctg acaacggtgg tcgcctgaat 120
ttcatcaact ttgagactca ccggatcgat ttgtgcattg acttcatccg gcaattaaaa 180
gatgaacatg agaggctcaa tggcccctct agggatgagt tgtgtgtcgt cgctacagga 240
ggaggtgcct acaagtacta cgataagctg aaagagacgc tgaaagtgaa catcatacgg 300
gaagacgaaa tggaatgcct cataacaggt cagtctactg gataa 345

<210> 21602
<211> 426
<212> DNA
<213> A.fumigatus

<400> 21602
caggtcagtc tactggataa tctcattctt tgcatatcag gagcgaaaac tcaaccacct 60
cctgccccag gacttgactt ctttattacc gagattccga atgaagtgtt tacatacagc 120
gaagccgagc cgatgcagtt tgccgaggcc cgaccggatg tttacccgta cctattagtc 180
aacattggtt caggagtatc aatgatcaaa gtatctggcc caaagcaatt tgagcgtgtc 240
ggtggtactc accttggcgg tggcacattc tggggcctga tgtcgttgct gaccggtact 300
cggaactttg acgacatgct ggctatggcg gaccggggcg acaacagtgg ggtggacatg 360
ttagttggcg atatctatgg catggactat cgtcttcacc tcgggactgg acggtcccgc 420
gcttag 426

<210> 21603
<211> 498
<212> DNA

<213> A.fumigatus

<400> 21603
acaggttcgc ctcggacgcc ccaggatcac ctcttccctc ctgatcccag cggcctgtcc 60
atttccgcac acaatgacca gcaccctctc cagccggact tcaactcctc aaacttgcca 120
gcaacaccca ccggcccgcg tgattctttc atgcaatcag gaaagcgacc tatcctatca 180
ttgagcggat accacgcccc ggatgtagac ccaagcttga cctctcgctt ggaacaagtg 240
gagcttgtgg ggaccggcga attttctcag gtctatcacg tggctcatgc ccatgaaatg 300
tcactcacgt ccagattttc tctaccgaat ggagccgagt ctcctcactc tctgcctgca 360
cgggtgtggg ccgtcaagaa atcagaacag ccatatgccg gcctgataga ccgtgaacgc 420
cgcatccgtg aggtggatgt attgaaagcc ctcaccaact cggaccacgt aatttcgttt 480
gtcgacagtt gggaagac 498

<210> 21604
<211> 540
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (20),(47)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21604
cctaacgcat actctgatcn atcccgcccg tttgcgctat cgggcanggt ctggtcctgc 60
gtcggtcaaa tcgtggttaa actgtttcct aaccaggtga ggaaagtcct tctggaatgg 120
aaactgagca agctgggctc ctgtgccttg ctggtgctta tctggagcac ctacgacggc 180
gcatttgctt cgaatgcctt tgccgagatc ccgtcgaaca acatggtctt caccgtgttc 240
attctcgtcg ccctattttg tctctggatt actatcgcct ttgtaatatc ccgagtgtgg 300
ctttctcgcg aggatacaat cgcagtgtct tacttggttt ctacaaaaac cccggccatg 360
ggtgtgccgc tgactactat catgtacaag ggtctgtctg ccgcccagca atcccggact 420
cgactgccga tggtcatatt ccatgctatt cagatcgctg gcagtagtct gttgaccata 480
ccgctaagga aatggcatgc acagagaaat gctgaagaga caggggacgg caccgtatga 540

<210> 21605
<211> 369
<212> DNA
<213> A.fumigatus

<400> 21605
cggccgcccg cgccgccgca tcgtccgcca gatcccgccg tcgcgcaact tcactcgttc 60
tcgtccggtc ctcgacaatc ttcttactct tgccgtcatc cttcttatcc agacgcttgg 120
ccaactcgtc tcgctcctcc agattccgct tgcgctccaa ctccttcttc gtttctggat 180
ctaattcctc ggaaggcgtt taccgagggg atggcgtacc ctcctccatt cccgttcgct 240
tccgggggga attctcaaaa ttcccgttct tctccacccc tatctccatt attcgttctc 300
agggtattct tcttctcccc acggattccc caatatctcc caaagttcgt ctccgcaagc 360
tccttctaa 369

<210> 21606
<211> 390
<212> DNA
<213> A.fumigatus

<400> 21606
acgccttccg aggaattaga tccagaaacg aagaaggagt tggagcgcaa gcggaatctg 60
gaggagcgag acgagttggc caagcgtctg gataagaagg atgacggcaa gagtaagaag 120

attgtcgagg accggacgag aacgagtgaa gttgcgcgac ggcgggatct ggcggacgat 180
gcggcggcgc gggcggccgt catgcatgat ctgcggctgc ggtcacggca ggagtatctc 240
aagaagcgag aggcggagcg tctggcgctg ctgcgacaac aggtcgcaga ggagacggcc 300
gagatacgcg agaatcccaa tctgacccgt cgggagaagg aagaatatgc gcgcaaccgg 360
gaggtgctgc ggatcgcgga ggagcgctaa 390

<210> 21607
<211> 372
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (339)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21607
cggatcgacg accaccggga cgggtatatg atgccggagg actatatcac ggagaaaggc 60
aagatcgatc ggaagaagaa agaggaggcg ctgtacaagc gatatgtgga tcgtgatgag 120
cgcggtcagg agcggttcat caccgagcac gaggaatggg agatggagca gacggccaag 180
gcaaaggcgc agatcaaacg ggcagaattc gtggatgagg gcgactacga gtatgtcttt 240
gacgactccc agaagatcaa tttcatcatg gacaccaagc tcgagggaaa tcgcaaaccg 300
ttaacgcagg agcggcgccc tccttcagga gaatttatnc tacgcgggcg ggatggaagg 360
tccacgtttg gt 372

<210> 21608
<211> 399
<212> DNA
<213> A.fumigatus

<400> 21608
aagctctccc caccgactgc gcaggttatc atcaccagtt cgattgcagg tttcattcgg 60
caagtgccct tcagtttcgc atacagtctt tccaagtctg caacgaatca tcttgtcaag 120
atgctttcga cgacgctcag ctcgtacgac attcgagtca atggcattgc gccaggcctg 180
tatcactcgg agatgtctgc gtcagcattc aagggcggag ataggggcat ttctgacggg 240
tcgttcccgc gcgaaaggat tcccctcacg aggggtggaa gtgaggaaga cattgcgggt 300
ctgattcttt ggctggcgag tgcttctggt ggctacatga atggtagtat catcgtcact 360
gatggaggac gaaccgcagt tcatccggca tcctattag 399

<210> 21609
<211> 429
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (422)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21609
acagatcaag tgaatgcact tcaggatctg ggagtagcag tatccaccat caactcgacg 60
actcctctag ctgagagacg gcttattata gacgatctcc tttctgggca tccgagaaca 120
cgtctcttgt atgtgacgcc ggaattatgt cagacagtgg cgttcaggcg gactcttcag 180
actatgcatt cacagggaga gttgatccgc atagcaattg atgaagcaca ttgtattagc 240
gaatggggcc acgactttcg tcccgcatac aaacagcttt cttggttcag gtgtcatctg 300
aaccagccac cagtcccaat aagtgctttc tacggccaca gcgaccccac gtgtgcgcgc 360

agatatcatc gacctccttg gattagatct tgcttattag ccgacgaggc cggaagattc 420
cnggataat 429

<210> 21610
<211> 339
<212> DNA
<213> A.fumigatus

<400> 21610
gaatttggtg ccaaaatcat tgtcggtggg cggaagatca tcgacgacta caacgtccag 60
gcggcgagag agcgtggaga tgttgagggc gagcttgccg ttccagaaga caagctacct 120
cccccaggtg agccgtacaa caaaaaccag tacgtcgcgt ggcacggtgc cagcagcgtc 180
taccacacca acgccccgtc tctgccgcta cccaccggca aggctataga ctcgaaaaag 240
cgcaaggtga ctgtgacggg cgataactgg atgcttgagc atgcccggga ggccaggtat 300
gtcctcgcac ctcttcgtct ctctctgtta gacggatga 339

<210> 21611
<211> 339
<212> DNA
<213> A.fumigatus

<400> 21611
gcatgcccgg gaggccaggt atgtcctcgc acctcttcgt ctctctctgt tagacggatg 60
actaacgctt ttactagttc cttcaactcg cttatcctga atgcgcgccg cgcgaatctg 120
gaaggtgtct acgacatcca caccaatgct atccactacc ccaagatcat gcagccatcg 180
cacgcccgct gggagcgtgt tccacccccg gacccgcggg ccaccgccaa actcgccaag 240
gggctgtcca cgctgagcct gacaaatgga acggacgagg gcgaggccga accacccgcc 300
gaccacgtct tcaccacggg gctggaaggg ccgcgccaa 339

<210> 21612
<211> 504
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (504)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21612
aaccaccgca gacacacaca tagaccaagc aatgatcaag aaacaatacg cttgacaaca 60
ccatcacgct ggttaatcaa agctaaaaca ccgcaagttc tcgctatgct ggctgtcttc 120
ctagtcggcc ctggcctgat cggtggagag gtgctcgacc tcctactcaa ggaaaagaac 180
tatgagatca ccactcttgt gcgcagagac gcagcccgtc cggcatttca cgagctcggc 240
gtccagacta tcctcggctc actgagtgac aaagatgtga ttgtgcagca aacagccgcc 300
agcgacatcg taatccactc cgccaccgcc gacgacctgc cctcggtcca ggccattctg 360
gaaggggtcc gacaacgcac ccagcgcggg cagcgaacca tctacatcca caccagtggt 420
gccagtctca tcggtgataa cgctgagggg tcttacagga gcgattgtgt ttttgacgac 480
gagacgccga gctctatcga cgcn 504

<210> 21613
<211> 195
<212> DNA
<213> A.fumigatus

<400> 21613

ctgcgtctaa gcgtcattaa ttccagcaag actgcatatg ctgcatttgt cttcgacgga 60
gcaagtttct tcacaactta ctcattcagt catgatggcc agagcgaaaa cgtctggtca 120
gacagattct gctgccaagt ttatctcaaa gtgcgagtag cccagagccg agcattgtgc 180
gatgagactg actaa 195

<210> 21614
<211> 588
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (516)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21614
tttacgcggt accttcgacc ccctgtgcgt gaatacgcca atgttctggt aactgctaac 60
atgtcgcagg ttcaatcgcc actcaaatcg ccgatcaagt ctccatcgac ccccgccgtc 120
cctgcttcct caactcgttc gtccatcagt ggcccttcac ggccgtccgc agtgaaagcc 180
cgccctccgt ccggaccaaa gacgtcgatg ggccctcctc cgcctccctc tgtcgctgct 240
cgccaatctc gatcgtcgat atcagggccc gccagcaagg cggccagacc aagtctgcaa 300
agtgaaccaa caacgtcttc aggacagttg aagcggcctg cattgcgccc aaccgctccc 360
aacaagtcat cggaggagac agaaagccac acgagtgcct attcggggga tcctgagata 420
gatcctagag atgctgagcc tgacatggac gggaatgagg ctcctacccg caaggtatcc 480
gaaaaggcac tgagctcggg gcgtccggcc ggcggncgcc ctagcctcac gtcttccttg 540
caacggcaag cacaaaacaa ttctgcggct gtcgcgaggg aacttgat 588

<210> 21615
<211> 354
<212> DNA
<213> A.fumigatus

<400> 21615
tctttataca ccaaaaaaag cccagattca taccccacgc atctaatggc aaccactaac 60
aagcagccag tgaacatcat cacccatact ttccacccaa caaccttgat agccccccgc 120
accttcatca gcctagtaat ctctgccgac ttaccaaatt tcgtccgtca gggattcatg 180
acggttcaga tccccctcgc ggcgaaacct acagatgcag ttcccgacga gatacgagaa 240
aaggttgcat ccgccgcgcc cagaaacgcg gtttttgcat cctacgccag cgtggaacag 300
gttgtgtcac tggtcttcac acgccggccc tggaaggatc cacgaattgc gtat 354

<210> 21616
<211> 474
<212> DNA
<213> A.fumigatus

<400> 21616
aaatctggaa agctcatgac acccaatctt ggggatgcac gtgcgtacat gtacagcctg 60
ttaaaccaac caagctcaca aaataacgga actcacgcgg gcaagtttga tgtcatcgac 120
ctagatcctt acggtaccgc ggctccgttt atggatgctg ctgttcaagg tgtcaaagac 180
ggtggccttc tctgtgtcac ttgtaccgat gcaggcgtat gggcatccaa cggttaccca 240
gaaaaggcat atgccttgta cggaggtgtt cccattaagg gatcgcattc tcacgaaggc 300
ggattgcgcc ttatcctaca tggactggcg acgtcggccg cgaaatatgg acttgcaatc 360
gaaccgcttc tctccttatc tatcgacttc tatgcacgtg tcttcgttcg tgttcatcga 420
tcgccggcag aggtcaagtt tacctcaggt aacacaatgt tagtttttaa ctgc 474

<210> 21617

<211> 717
<212> DNA
<213> A.fumigatus

<400> 21617
caagttagca gggaagaata ctgctgcggg gtgattctgc ttgacgatga cgactggcct 60
ggcgttatcc gtgcggctgg cgacttcgct gttgacttcg gacgagtgac cggtacaaat 120
tatacgacag gcctaatcaa tggcacaact ctgcatgatc aatcttccgt tcgtggtaac 180
aggggagtga ttattgcggg aacaattggc aggtcccgcc tcatcgactc tcttgccgca 240
cggggcaaga ttgatgtcag tcagacgaaa ggaaaatggg aggcatttca gactgaggtc 300
gtcagtaatc ctctcgaggg aatcccgaac gcggtggtca tctctggcag tgacaaacga 360
ggagccatct acggccttta cgatatttcc gagcagatcg gggtttctcc ctggtattgg 420
ttcgccgacg tcgcgcctgc ccaacacaaa gaggtatatg cgttgaaaaa gaagaagatc 480
cagggacctc cgtctgtcaa atatcgaggc atctttatca atgacgaaca accggctctg 540
acgaactgga ttaatgaaaa ctaccctcct gcgagatatg gtcccggttt caatgccaac 600
ttttactccc gtgtgtttga atatcttctc agactgcgtg cgaactatct atggccggct 660
atgtggcaca atgcattcta tcccgacgac acaggtccct caccacgggg gcaatga 717

<210> 21618
<211> 546
<212> DNA
<213> A.fumigatus

<400> 21618
gcccgcggcg gggcctacat gatccacatc acggctgagc ttgggggaaa ggcgccggtg 60
tgtttgtttc cgagcctcga cgtggaattg gcggtcaagg cggcgatgtt tgcgagtttt 120
attgccagtg ggcagacatg tgtgactggg agtaggctct tagtgcacgc tgatctttat 180
gatcggttta aagacctgtt ggagaaaagg gtcagagcct tgcgggtggg agacccgatg 240
gaagagcgca cgcagattgg ttctgtcatc tctcgcgcag ccgttgagag atgctctgct 300
ttcgtgctgc gggcagtaca ggagggaggc cgcgtgctct gtggtggtaa cccgacaaac 360
tcaaatggaa aaggcttctt ctttgagccg accatcatcg agacacatgc cgattcggat 420
ctcgcgacta acgaggtctt cgggccggtt attgcgctcg tgagatgcga atcggaggag 480
gaaatcatcc gcattgccaa cagcacgtcc tatgccctcg gcgcatcggt ctggaccaac 540
gacttt 546

<210> 21619
<211> 759
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (23),(40),(75),(191),(723),(727),(730),(740)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21619
tcccggtggc gcccgtggaa aanaattccc aacccccagn tgcgagctgg tccggcctcc 60
ttggacactg ttgcntcgga tctctctgga attttgccta caggttccag ttcccttgcg 120
tccggagttg ccactaccga ttcgtccaac gctgatggca ctgttacgca ctcaacagtc 180
gttattcctt nttcgacagg caacaactct tcgcctgagg ccagcccttc cccaactcca 240
agcccgagcg gcgtactcga tccgttgacc tctgctgtta ctgacctatt acctggctcc 300
gcatcatcct cagccgtgac caacggtagc agtggagctg agacctcggc atccacagac 360
cttggtcagt ctactgtgcc tgtcagcgtc cctgctgtga caccctctgc caccagttcg 420
agtggcctgg gtggaattct gggtcctatc ctcagtagcg ctggtagcac tggagtcatt 480
ccaaccgcaa gcactcacac cagcagcttt gttggcgtcc ctaccggctt gactagtatc 540
ctcatcccag gaggcagcag cggaagtgag tcgccaactt cgtacactca gattagtcct 600

agcgttccta caactgctcc ctctgtgacc agcaccgccg tcattcctgg tagctccgat 660
accgctattg gttcctcgat tgctgtcacg ggatccaccg gagtgagctc gagtccgctc 720
atnttcnttn cgagagacgn gacccgagca ttgaaccgc 759

<210> 21620
<211> 222
<212> DNA
<213> A.fumigatus

<400> 21620
agtggtcgga tctgtgagat tgcacggcgg cgcgggatga cgatccacgg tgcaatcgtc 60
gtcagtcgtc aggttgagtt ctacaagatg aagcgtgatg gatcgtttga atgtatgacg 120
tggttggctc aggagaagaa gcgtctgcat atcctccggg atatgcggac tattacctcc 180
caccttatgc agataaacta cgaggtgaga ctgcgagatt ga 222

<210> 21621
<211> 318
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (290),(295),(307)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21621
tcccccacca agcgaatacg ggtcctcttg gcacactgtt tcgctagagc ctcttccttc 60
aaaagtccca aactccccaa gcttaaaacc acaaatagat attccccct aattcacaca 120
atgtccccta ctcttccccc cgaggtcgtc tcgaatatcc tcagtcatgt caccccccctc 180
tggcactggc gccgccgtgc catgtggaaa aataactgtg aacggatcac ggcggagaac 240
gacgtccgct ggtttctgag gattaggggc gcctgccgtg cgtcgttttn caccnacgcc 300
gccggcngga acagtaaa 318

<210> 21622
<211> 432
<212> DNA
<213> A.fumigatus

<400> 21622
caaactccgc tggatgcctt cgtctcaccg tcatctaact acgtatcgga tggttttaca 60
gatctctttc cagttagcag ttcacttgat tcgtcgttga agaagaatac ggcctttatc 120
aagcgtctcc gaacaggaat caatgcttca gtcttgcaaa ccttcttgac cgatatccgc 180
actttgtcgc tccacaagta cctttccgag attatctccg catgctatga gggtctctgc 240
aaacttaagt ctcccgggga gattgccgcg ggcgtagaag tcacaagcgc attgcatcag 300
cgattcggac cggacgagtt tacgaggcag attggttggc tgctaggtcg cggcctcagc 360
acacctgaca agtcgcagct cagaaccctc agccaggagt tttcaacacg ccgcaggcag 420
gacaggtgta aa 432

<210> 21623
<211> 540
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (271)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21623
agacttgacg aaagaatgca atccgaaggg ctctacgatt gtccatatag ttcatacgct 60
gtcgaatcta ttcgatactt ggttctcttc gttctctttg tgacatgtct tcactattcc 120
tattacgctc tttcgggcct tttccttgga ctactctggc acctgcttgc attcaacgtc 180
cacgacaccg gtcacctaag cataacgcat ggattccaca ccgacagctg catcgggatt 240
ttcattgccg atttcctcgg cggtctatca ntcggttggt ggaagcggaa ccacaatgtg 300
catcacatag taaccaactc gcccgagcac gatccggata tccagcacat gccctttttc 360
gccatctcct ctcggttctt tggttccttg cgctcgacct actacgatcg cgatatgaag 420
ttcgacactg cagcgcgttt cttcatcaag taccagcatt acctctacta ccccatacta 480
ttattcggtc gtttcaacct gtaccgccta gcatgggcat atctcctcga cacggcatag 540

<210> 21624
<211> 267
<212> DNA
<213> A.fumigatus

<400> 21624
gctatatcag tatttgctac tacggtacca cctggttgtc cccattcaca actggcttta 60
gatacaaaca ataccagcca acctgttcaa acatggcgca gactatacga aagtagcaac 120
tctaacggac acccaggcca aaacatcttc ttctatctca accaccccat ccgcttcgtg 180
tccctggtgg gcgtcatcgt cgccagaaca gacgtcttca aacgcacgat tctcacgcta 240
gactacatta tcggggagac catctaa 267

<210> 21625
<211> 759
<212> DNA
<213> A.fumigatus

<400> 21625
tcttctttgt gcgaaacctc gcaatttcac aacgcagcga gcaccggtat atacgagact 60
tttttcctgt gcgagatggg atacctgttc gatatgcttg agaaggccaa tggacagaat 120
tgtcaggcca caaacttcct gaagactttc agcagctatc gagaagcttc gaatctcggc 180
ctgctcgagg aaaacctaac cacaaaatct ctctcttccg ccattcagtc tgtgaataga 240
tttttcctta accagatcgc gcacgatttc cgcatgattg tcccgagctc cgatgattta 300
gaccatagac tttcgaccat tgcgtcggag tcaatccgat gcatgttttg ccagaatgag 360
atcgtcagac ctggcaactc cttagccaat gagctaattt accctaccat tgatatcaaa 420
caagctcgca gaaatccagc tttccgattt tcgagtatcc tgagagcaag tattgagcga 480
gagacacaga acaggggatg gtgcaactat tgccggcgat atcagcaagt gaccataagg 540
aaatctattc atcgcatgcc tctggtcctg attctcaatg cggctctcag taacgccatt 600
tgcagaagat tatggtccat tcctggctgg ttacccgagg aggtaggcat tgccgttgac 660
aacggccaag ttatgtgttt cgaaggagac gagctcaaga ctcagttgca gaacaagctg 720
cctcatctgt cttcaccacg agtggccgac cgcataggt 759

<210> 21626
<211> 699
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (34),(38),(60),(173),(176),(222),(231),(262),(432)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21626

tccggcgtca tccccagcca tcaaatcaaa attnttcnca ccaaatttcc gcttcccttn 60
gcagacggaa ccattattgt cggccagaac agcatctccc acccaagcga ggcaaccgct 120
ttccagctta gtacaggttc cagacggccc agcttcttct tcgccgacgg cgnttntgac 180
ctcgaggaca cagaaccctc agacgcttcg gacgccgctt cntacgaaga ngaccacttc 240
cccggatccg tgcccacctt cngcaacaaa aacatccagt tcagcaaatc agccaacgag 300
gacctccctg cccgcatcac ccgcatttgg tacataaacc cctacggcca ggagatccgg 360
ccccccggca acccacgcgt cctcgaatcc ctccgcaacg cccaggctat catttacagc 420
attggctccc tntacacttc cctcgttccc tccctcatcc tccgcggcgt ggggcaagcc 480
atagctacca gccccgcccg ccacaaaata cttattctca atggctcgtt agacagggaa 540
accggcccgc cctcgcagcc cttcacggcg gtcgatttcg tcgaggcaat cacccgtgct 600
ggcgaagaaa gccgtggccg gcctgttcac ttgccttcgc cgccgtattc ttcctacgtc 660
acgcatcttt tgcatctaga ggcggtcttc accacgtag 699

<210> 21627
<211> 576
<212> DNA
<213> A.fumigatus

<400> 21627
gccatggaaa ccagcaggga gactttgcaa gcgttgagtc ttgtgaacca tacctggtat 60
caggctgccg tgccttttct gtacgaaaaa ctgcagctat gtcttacgac gaccccgcaa 120
ctccaagaag acgtggaaca gctgatgaag cattccctgc gcaagcaata cctgcgatac 180
ctgcgtcgtc tggaccttgt cgggcgaagc gggaagcgaa gtctccatct agctgctttg 240
caggaagatg cggagggacc catcatgctg gataacttcc tcgatcgcga gctctggcag 300
aggcatactt tccgactttg tcgtggagaa acgactaccc ccgattatgc ctcgctcgcc 360
aggttcatcg cggccgtgtc gaacctgaga gagctgaact gggttcgtgc tctgcgcttc 420
ccgcaagagg tcctggatgc tctacacaaa tatcaccctt cttgcaagct gaacctgctt 480
tacttctatc tccaagcttg gaaataccaa ggtcttagcg ataatgatat gactgtggtc 540
acctcgcctt gcctccacac gatccgctgc tattag 576

<210> 21628
<211> 330
<212> DNA
<213> A.fumigatus

<400> 21628
gcattgatca atcttcctat tgcagcgttc gtgactgttg acccttcaac aggttcccac 60
atttcgaagc tttgccgacg actgagaatc ccggtgaatg tatctgacgc accggatctc 120
tgttccttta acttgctctc tacgtactca gatggccctc tgcacatcgg aattacgact 180
tcggggcgtg gctgcaagct tgcctctcgc ctgaggaggg aaatttctgc ttcgcttcct 240
ccgaatctag ggactgccat cgacagactc ggtgcggtaa gaaggcgcct ttgggcagaa 300
gactacgctg caggactctg tgatggcatt 330

<210> 21629
<211> 225
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (170)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21629
gcgatgatgt caagttgtat atcgctgact agactagccg atggacgagt cgacgttgat 60
ctgaactcga ggattgcccg cactctcgct cagatcatcg agctgcaaca ggaagacatt 120

cataatccac ctcccgacta tcagcaagag ctccaacagc agcgggatcn agatcaagat 180
catcaactag aacccatcga atgcagcatc cacctcaaca ttgtg 225

<210> 21630
<211> 363
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (341)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21630
tggaggaaag acatacaaca aatgtcactt tgtgagtttc cctcattaga agtccggctg 60
ctgctgctga ctgatcatct tacccagtgg tccaactttg agattggaag cttagagtgg 120
ttgagatcga agcagtatct tgactatttc gatgctcttg accacgacgg cggcttcttc 180
tatgagcgat ggggagacgc cccagttcat tccattgcgg ccggcatcat gctcaagaag 240
gaagagattc atttttcaa cgagattgct tactaccaca ttccattcac acattgcccg 300
accagtgagc agatgaggct ggacgtactt caccacgggg ntgaagagtg ccgatcaagc 360
tct 363

<210> 21631
<211> 378
<212> DNA
<213> A.fumigatus

<400> 21631
acccggaaaa aggtttcccc ccgggggttt ttttttcct tttttcccct ttttcccccc 60
gggccccaa tttcccccca ccttggaaat gggcttggaa actaccgaag gtactactgg 120
cgcgtggaac ccagcattga gctttattgc gacatcagct tcgacccatt caagcttatg 180
aaggaacaga acaagaagta cagtttcgtc cttagtttgt atgaatatta cgacaccatc 240
cccagtctat gggatagcgt caagaagttc atgggcaatc acccagagca tattgcagaa 300
ggaaatgcga tgggtttctt gagtgatgat ggaggaaaga catacaacaa atgtcacttt 360
gtgagtttcc ctcattag 378

<210> 21632
<211> 417
<212> DNA
<213> A.fumigatus

<400> 21632
ctctggtcct tccagccgcg tggtgaagac gacgaaatct gcggcatctt cgcccgcgcg 60
tcggatccgg agctccgcgc catcagccag gctttcggcg ctcggtacaa ctcgtcgctg 120
gagagccaca tcgagaagga gttctccggg catatgaaag acgccctgct gcatatgctc 180
cgcaccgcgc tggacccggc catgcgggac gcggacctgc tcgaggactg catgaagggg 240
atgggcacca aggacgagaa actggttact cgggtcgtgc gcttacactg gaacagacag 300
catctcgacc aagtcaagcg cgcgtaccac catcggtaca agagggatct catcgccaga 360
gtccgcggag aaactagcgg ggattaccag aagttaatgg ttgcgctgct cgagtga 417

<210> 21633
<211> 525
<212> DNA
<213> A.fumigatus

<400> 21633

ggtctgtaca ccgaaactcc catggccaac tcggagctct ttgaccaaat ccgccagggt 60
aaagcacgct ggttacgcgg agacattgtc tctctcacag aggacggtgt catgttcaat 120
catcgctcac atggagtccc caagggtggc cccggacatg aatcggttgt tcctggagat 180
gtgatcatca tggcaacggg cttcaagcgt ccatcgctga acttcctgcc aaacgattgt 240
ttcgaagacc catacggtcc acccagctgg tatctccagg tcttcccgcc caagtacacg 300
agcatctgcg ccaacaacag cacctacatc aatgccatcg gcactgtggg aaacatgcac 360
attggtatat acacacgctt cttattgatg ttcctggttg atcctctatc gcggccgacg 420
gaaggtagga tgaagacatg gatcgacttt acgcgcttta tgaaacggct ggctccgaca 480
ggcgcgtttg acttcttcac ttacgccgaa ttgatctact ggtag 525

<210> 21634
<211> 321
<212> DNA
<213> A.fumigatus

<400> 21634
ttttctttcg tctgcggcca ctccgactcc cctgcttccg accccccttt cgattctcta 60
ttccttttct cccctagatc cctcctcgct tccctctccc tctccctttt cccttcccgt 120
gacttctcct tcgagaaact ctcttcctct ctccccgttc tcccttgttt atcatgctct 180
ttttccgccc ctgcttccct cctgccttcc ctaaggagga ctgaacttct ccgtgcgctt 240
attattctgc ctcttgctcc ccctttttcct cccctttttgc tccttttttgc ctccctcgct 300
tcgatcttcg ggctagtctg a 321

<210> 21635
<211> 681
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (640),(675)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21635
ggccggcaac ggagcaaaaa taaacggggt aagaaaaacc atgcgtctca gactagcccg 60
aagatcgaag cgagggaggc aaaaaggagc aaaaggggag gaaaaggggg agcaagaggc 120
agaataataa gcgcacggag aagttcagtc ctccttaggg aaggcaggag ggaagcaggg 180
gcggaaaaag agcatgataa acaagggaga acggggagag aggaagagag tttctcgaag 240
gagaagtcac gggaagggaa aagggagagg gagagggaag cgaggaggga tctaggggag 300
aaaaggaata gagaatcgaa agggggggtcg gaagcagggg agtcggagtg gccgcagacg 360
aaagaaaatc aggaggaaga gaggagtagt tcagcgaagg cgaaaaaaaa tccagaagag 420
gggagggaga atcagagggt agagaagggg accgtcagaa ggattctaag ggcagacacc 480
cggggaggag agcaagaggc ggcgggagtc gagtatctgg atgagaacgg acagatgcga 540
actgcaacgg cccgcaaaga agtgatcctg tcagctgggg cactgcggac acccccatc 600
ctggaagcat caggcgttgg cgacgcagac aggctgactn ttcacctcgg gcagacagcc 660
cgcactaata tcctnaaaga g 681

<210> 21636
<211> 222
<212> DNA
<213> A.fumigatus

<400> 21636
tggtggcata acccccttcc cacccccccc cagttcccca cggcccgtca agccggcatt 60
catatccgta acacccgccc gtcccggcat cctaaggccg gcaacggagc aaaaataaac 120
ggggtaagaa aaaccatgcg tctcagacta gcccgaagat cgaagcgagg gaggcaaaaa 180

ggagcaaaag gggaggaaaa gggggagcaa gaggcagaat aa 222

<210> 21637
<211> 483
<212> DNA
<213> A.fumigatus

<400> 21637
agacaatcgt cactttcaac aacatcatca acaagccagg gcgttaaagg atatcgccgg 60
atgcctcgta cacgcaggtc caaccgccta tccggggcga ggaccagata cacaagcgat 120
ccctttgagg ttgcgggagt cagtgatgag tcggactcga gagaagggat cggtccttct 180
cgactaaatg caaagcagcc cgtccgagca gatgattcct cagatgagga gtacaaagaa 240
gtccaaaatg aacaggacga agctgaagaa ggcgaagatg aagacgtaga gatggtggac 300
gtcccaggcg atgatgatga attcgtctcc gatgaggagg acgaaatcga ttcaaagaaa 360
cccaaatcgg ccggggtttc gcgagtcaag aatcccaagc gacgacatga cgacggctct 420
gtcgctattg ctgaagatga gactcacttc cgggggacgt ggagccctgg agagcatgtg 480
gga 483

<210> 21638
<211> 471
<212> DNA
<213> A.fumigatus

<400> 21638
gtctcatctt cagcaatagc gacagagccg tcgtcatgtc gtcgcttggg attcttgact 60
cgcgaaaccc cggccgattt gggtttcttt gaatcgattt cgtcctcctc atcggagacg 120
aattcatcat catcgcctgg gacgtccacc atctctacgt cttcatcttc gccttcttca 180
gcttcgtcct gttcattttg gacttctttg tactcctcat ctgaggaatc atctgctcgg 240
acgggctgct ttgcatttag tcgagaagga ccgatccctt ctctcgagtc cgactcatca 300
ctgactcccg caacctcaaa gggatcgctt gtgtatctgg tcctcgcccc ggataggcgg 360
ttggacctgc gtgtacgagg catccggcga tatcctttaa cgccctggct tgttgatgat 420
gttgttgaaa gtgacgattg tcttcaccac ggcgggctgg aaggacaaca a 471

<210> 21639
<211> 414
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (411),(413)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21639
gaggcagtag atgcaccgaa gacttggtca ggtggtaatt gtcacgtgca acccttgcct 60
ccgtcggtct ctgtaatgag tggtaacata acatacccca tctctccctc tcgaccacct 120
ctcctctttc agtctatcgt cgctcgtcat cttgtggatt tcaatttcag aataacatat 180
cttctatttt gttcttggac tctccagata tacgatcgtg ttaccgcggt gatgaccaac 240
tctgatccca agaacaagtg ctgcgggact gattgcgaca atgaagcggg gaccttgcaa 300
tgcccgacgt gtctgaagct cggtgtcaaa ggcagttact tctgctctca agagtgcttc 360
aagaagaatt gggtaggcaa catccaggat gacattccaa ggccgcccaa ntna 414

<210> 21640
<211> 456
<212> DNA
<213> A.fumigatus

<400> 21640
agaccgcccc tccgcctcaa tcccaagcgc agcgcccaga tcaccaaact ccgcgacacc 60
gccaaccagg cctaccgcaa atccaactac gccgaggccg tcaagctcta cacttacgcc 120
atcgatatgg ccctgagccg ccccggctgg gaacccgtta atctggcccg cgatgagtta 180
tccggcctgt acgccaaccg ctcacaggcg cacatggcgc agcaggcctg gcccgagggg 240
atgatcgatg ccaaggctag ctgtgattgc aaacccattg ggaatgtgaa ggcttggtgg 300
cgtgcgggca aatgtctcgc tgagatgggt cgctgggagg aagctaagac tattctggag 360
cgcggactgg acattgaggg gaagactggt gagggcggga aggaactggg ggcgttgttg 420
gaggaggttc agcagagact acagaagtcg gcatag 456

<210> 21641
<211> 198
<212> DNA
<213> A.fumigatus

<400> 21641
aacaccaaaa tggacacatc caccaagccc tcctcatcac taccctcctc gaacccccc 60
agcgtcgaag gcgcctacaa acgcaagtgc atcgctttaa aaaaacgctt gaacgagatc 120
gaggctgaga acgagatgat gcgcatgcgc aacaagcgcg gatggcaata catccagaaa 180
atgcgactgg agtcctgt 198

<210> 21642
<211> 282
<212> DNA
<213> A.fumigatus

<400> 21642
atcgatggta tcgacgagga tagcatagca aagccacatc gacccttgcc ctctggccgg 60
atcacacctg gacaagctac cctcctctat cgcgtcctct tcttcctgat gtgggttgcc 120
gccgtgtaca ccaacacgat ctcctgcacg ttggtctatt cgattgccat cgtagtgtac 180
aatgagggtg ggctggcagc tattccggta gtcaagaatt tgatcggagc tatcggtctc 240
ggctgttact gctggggaac cacgatcatc tttggtattt ag 282

<210> 21643
<211> 300
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (166),(192)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21643
gggcccaaca acctccatca caatcgcctc gaccgaaccg ccgtccagac ccttctgcac 60
cagtactcct cccgcgccaa atccgacggc cacctcatca acgcctcaaa gcaggactcc 120
cagtgcgtcg aacacggtgt cttcctctcc tacgtccacg tcgagntact ttcctggcta 180
accaaacaca antacaccgt ccctgcgtcc tcagtaaaat ggtacagctg gcgcaagctg 240
agttcgcgca agtaccttct tccgtcttca ccacggggct gggccatcac gcgatcggaa 300

<210> 21644
<211> 465
<212> DNA
<213> A.fumigatus

<400> 21644
ctccgctccg gtccccggcc ctgcggccat gcggccgtga tctgtctctg ctcgcagcgc 60
acccgggacg cgcggtgcgg acgttctgcc ccgttactgc ggcgcgagtt cgagcgacat 120
ctgcgggcgc tggagctgta ccgcgacctg gacgatgagc ggcccggcgg cgtgggcatc 180
tacttcatca gccacgttgg gggccacaag tatgcggcga atgtgattat ttaccggcgg 240
cgggactttg agtggtatcg caaggagaac ccggggcagg acacgctagg gaagacgacg 300
gtcgaggcag acgagggcgc ggcgcagggc atctggctgg cccgcgtgcg gccggaagac 360
tgcgagaata tcgtcaagta tacggtcttg caggggaagg tggtcaaacc tgggctgcag 420
cttcggggtg ggtttgatcg cgagcgaggg aagattagtt ggtag 465

<210> 21645
<211> 588
<212> DNA
<213> A.fumigatus

<400> 21645
aactgcatta tcgatgttct ggacgaaagc aaatctgact cacaggaaac cttgatgcga 60
caaatggacc actcgttcaa taacccgagg cgtacttgtt cagccccttc tagcatacat 120
ctgttaattc tcagccgtcc atatcccgaa cttgaacaat acctatccgc attcaaaagc 180
atggacttgg ggtcgtgtcg agagatcaca aacgacctca gagcgatgat taaggacaga 240
gtggagggcc ttgctaggcg cagaaaatac cctaaatcag tgtttgagaa agtgtcccaa 300
atcttggagg aaaaggctgc tgggacattc ctctgggtag gaattgcctg tgccaaattg 360
gctcgggtgc aatccagaag ggcagtagag accctgcaag ctctcccgca ggaactacat 420
tcgctttatc ggaaactcct ccttgcagcc gtctcagact gtgacgagga cgatcatcga 480
gtagtaatgg agatactggg ctttgttgca ttcgcccagc gacccctgac gatcatagaa 540
gtcgccgaag catgtcgatt atatacaagc cgccaggcct ggaagtaa 588

<210> 21646
<211> 579
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (579)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21646
ctactgcata gcgcgcgtcg ttcgaccccc tgtggtgaag acgtccgcct cgtcgagaag 60
atgggcagcc tgtacacgca gcactacgcc tcgaccgtgg gcgggtccat gacgcggaac 120
acctttgatc tcatctacca cggcgaggtg gcgggcatca gcaacacgcg cccgttgttc 180
gccgcactga tcaagggcct cctggccccg atcagcggct ccgagggcat caacatcaac 240
atcgtcaatg cggagctggt cgcgcgcgaa cgcggcatct tcgtcaacga gcagcactcg 300
cgcgatccgg cggatcattc gtattcgtat tcctctcttg tgacgctggt cgcgcggccg 360
ccttcgcgtg cctcctcccg tgcgccggcc ccggacgcga cgtctcagac tggacccaac 420
ccgcatgacc aacgcatcat ctccgggacg tgcagcggcg accagccgct gattaatcgc 480
ctgggccggt tcgagacctc gttcgtcccg gaggggacgc tgctcatctg cgagaactac 540
gactcccccg ggaagatcgg ggcggtgggg agtctcttn 579

<210> 21647
<211> 210
<212> DNA
<213> A.fumigatus

<400> 21647
aaagagtcac agtgtgtttc tctggttagc agttggcctg ttgcaaacag cgctaatcta 60

cttggtcagg aaatttttcga gaaaccacag ttcttcgtca atggaccaac tgcgtccgat 120
gtgcgccaag ggcgcgatgg cgaatgttgg tttatcgctg ctctctgcac gatgggcaac 180
aaaaacggcc tgataaaaaa gatctgtgtc 210

<210> 21648
<211> 390
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (20)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21648
gatggtagca ttgcgggtcn ggcgcattgg agaagaccgg gtcgggaccc ggagctggtc 60
cggaaatgga tggccggaaa ggaggagtgg gataaaaaat ttgccaagga aaagctacgt 120
gtgcagaagc agcggatgaa agaattggcc catgggttcc aggactttga tggagatact 180
gctcccccga gctccgtggc ggcccgaaga ctggctcctg gtattttgcc tcaaaagggc 240
ggaaagcatc ggaagagcta ccagatgacc ctgtggagtc ggatggctag caagcatgac 300
aagaagaccc tcgcaagaga acaggcgatg cagaaggaag aaggtcgttc gaggctgacg 360
agcgtcgacg gtggacgagc atgggcgtcc 390

<210> 21649
<211> 270
<212> DNA
<213> A.fumigatus

<400> 21649
catatacact acatctatac accctcaacg ctggtcgccc agtctatctc taccgacaca 60
aagcgcaaac atcgcccaat gaacgccggc atctatcacc cacaacatcc ccatcctaaa 120
gtacaccaac acctccttct ctaccaccgt ctattccgac cgttagttca aactcacccc 180
ctcctccacc ctgttccctt caccccccct atccgcactg gactcccgcc ctctcacctt 240
accactgttc cccttcttcg tcgtcctcaa 270

<210> 21650
<211> 192
<212> DNA
<213> A.fumigatus

<400> 21650
cttctacata gcctggccaa cggcttcgcc tactggcagg gccaggagct gagcaatgct 60
actaacacct actttgatga catggctcag gctctgggcc acattgagca agttgccggc 120
tctaatgcag acaagattcg ctttggcaac ggtgagaccg gatggcccac aagtaagttt 180
tgcacctttt ga 192

<210> 21651
<211> 243
<212> DNA
<213> A.fumigatus

<400> 21651
acagctggtg gaaccaacta cggaccggcc gtcgccagca ctgcgaatgc tgctgattac 60
tacaagtctg ccgtttgcgg catgctcgca tggggtgtcg atgtcttcta ctttgaggcc 120
ttcgacgagt cctggaagcc caagaccaag ggcgacaacg gtgagatgca agacgaaacg 180
cactggggtg ctttcactgc ggaccgtaag gccaagttcg atttgacctg ccctaagcac 240

tag 243

<210> 21652
<211> 228
<212> DNA
<213> A.fumigatus

<400> 21652
agacgccgga tcgtgggcca cccaaccaaa attgacctgc tatacgccct taccgacatc 60
ggtagcacct atcgctggga acaggagctg aacaaatgga tcccagtcac cgacctcgtt 120
ggccccgagg acgagaatct gctggggacg gagagcgtgg ctacggatat ctttatttgg 180
cgcaaggccg gttcccgagt tccaataact ctgcgttctt cgtgttga 228

<210> 21653
<211> 258
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (219),(230)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21653
caccccgtc tttccaactg gccgcatcct ctaatcatgg acaatagtga tcctttcatc 60
atgatggccg aggctaataa gacttacggt ttcactatcg ccgtcaaaga actccgggaa 120
actgtaccca acatcttccg ctacgcatcc gcatatatgc gaaagaataa tctcaagtcg 180
aaaggacttt gggagatgtt tcttgagaag cctgaacang aggagccccn gcccgatgaa 240
gatctgatca gtgactag 258

<210> 21654
<211> 201
<212> DNA
<213> A.fumigatus

<400> 21654
atgccaccgc agtccccaga tgtgaatttt gacatatcgg tccaagtact cctgatgcaa 60
ttgcgtagga gaaccgatga ggttatgcag ccggtgttcc gggaggagtt tgcgagtaag 120
acgatgatca ctgttgcgca tcgcctgaga actattctgg tggtgatttg gtggtattcc 180
tcgacaaggg gcgtattcta a 201

<210> 21655
<211> 375
<212> DNA
<213> A.fumigatus

<400> 21655
cctaccccta gtgtcccccc ctcggggcgg agggagaagg gaggggtggc taccacggcc 60
tcctatgtcc gaccatccaa tcctccatcg ccaaccactc gctccaccgc gcatccgcaa 120
cccgtagctc tgcctcctcc ggctcacgca gcggctgcag aaacggcacc tgctgatccg 180
gcagaacatc atacgcgctc ttcgtcaccg cccagccgcc gctcttcgcc gcgaacatat 240
aattcaaccg ctcctgctgc cggatcgcgc ccacgccggc tccccagtcc tccccgaaga 300
aaacgcgcaa gttcgcgggc gtatcctggc ccgtggcgac caggcgccgg atgtagactc 360
tggcggagac ggtag 375

<210> 21656

<211> 186
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (145)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21656
gtgaaaacaa actttggtca tggcgagggc gcctctggcc tgaccgccgt tatcaaggct 60
gttctggctc tggagaatcg gacgattcca ccaaatatgc attttcgaca accgaaccct 120
tttagtaaga accagcccct ttgtnttcat cctcgcaggc agcgatacca cgctatgcct 180
agagga 186

<210> 21657
<211> 540
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (273)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21657
gcgctctccc atgaagctgc caaggttctt caaacgggca gttgctcatc cgccatggtt 60
gccggaacca acatgtttct cacccttcc atgagcgtga caatgtctga gaacatggtt 120
ctctcgcctg atgggctgtg caagacattt gacgctgacg caaacggtta tgcgcgcggc 180
gaagctgtaa atgctgttta tatcaagacc ctggacaagg caatagcaga cggcgatcct 240
atccgcgccg ttatccgcgc cacatcggcc aantatgacg gccgaacggc aaagattttc 300
gcaccggata ttgacggtca aaagcggctt atcagaaagg cctacgagcg agcgcagatt 360
gaaaacatcg cagaaacggc ttttgtggag tgccacggca ccggcactag acggggagac 420
atcgtcgagg ccacggcgat tgctcagact tttcatccgc acggggttca tattggatcg 480
gttagcacaa agccatgttt cgacaccgtc ttgtggattc ttttaacccg gtctaggtga 540

<210> 21658
<211> 585
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (531)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21658
tttgatttgc gcgtcactcg cgacgggaat acgttggtga cgaagcatgg tatcatcact 60
ttccagccct ttgagactgt cctctatcaa atcaagaatt ttgccgactc gcataaatcc 120
gaattcattt tcctcgatct cgatctcgct catgaagatg gtgtcggagg cgacgttttg 180
gccatgttga tcaaagttct aggagacggc aaagaagatg catttgcaac cgcccacgtc 240
ggccccgatg ggaaaatgta caacactgat cttacctggg cgaagctgcg ggaggacggg 300
aagcaatacg tcgtcatcta tggcgaagag gagaaggtca acggggaaac caaacattat 360
gacagtggca agtactgggc tccgcaggcc ggcaatatcc gggacaattg ggcggatgac 420
tacgaggaca aatcccccca ggagattgtg aattggttag accaagtcct agcgcagtgg 480
aagaaggaga agctgtggat cacccagttc attgacacac ccaggccctc ntactttgtc 540

tacagaccag gcgggaaggt actcatatgc cctaggaaag gaaag 585

<210> 21659
<211> 492
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (482)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21659
tgggccaact cggatgcgaa acatctggtt acgatcgtgc tgtttacgag ggttgagtac 60
gattcttcgg ctcttggagg tccgttgccg ctgagctccg aatcgctgag gtgcatctcc 120
agccccaacc atgctccgac cagggacttt tatcgcgtcg tggtcaacga tatggcgagt 180
ggccattgga cgacgattct cgacgagctg aagaaggatt tccggacttt cttgagagat 240
gtctcgattc taaagatgga ccgtccggat acacctaccg tggatggggt caaggttgct 300
cccaagaaca agccggcaat catcgcaggg cgaccaagta ctgcgctgcg tgggaatatc 360
cttgaggcaa tacatcttgc ttcggcccac cttgcatacg atcatattga ccgtgatttg 420
gtccatacgg gtacctcgat catcggcaca actccaggaa ttttcaacag accagacgca 480
tncaccgaag aa 492

<210> 21660
<211> 741
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (148)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21660
ccgattggga agcacaatgt cacgggaagt aatgcgtgct tgggcctttt tcccttccag 60
caccgcatgg caacaaaact ctcaggaggt aataaacgca agctttctct cggtattgct 120
ctaatgggca accctctcgt cttgctgntg gatgaactta gctccggcat ggacgcagcc 180
tcgaagcgtg tgatgtggaa gacgttggct tctgtagtcc ctggacgctc cattgtgctg 240
acgacccact ccatggagga ggcagatgca ctggcaactc gggcaggaat catggccaag 300
cgtatgctgg cgctggggac aactgatgac ctgcggaaga gatatggtaa caaatatcat 360
gtccatctag tccattcaca ggcaccgcac actacggacg aaactatgga acgcatccgg 420
gattgggtgc aaaagaactt tcctggtgcc gtgatagagc agaagaccta tcatgggcag 480
ataaggttca gtattcctgc aacagcggca tcttcatctc caaaggcgga aatcactgaa 540
tatgctgcgg gtcctattgc cgaggaagaa gagctcggac ccggacccag atatcaatcc 600
gtcaacaaga gcatcgtcag ctccatattc tcgaagttgg agcagagcaa gactgatcta 660
ggcgtccagt attactctgt cagccaaact acattggacc aaggtcttca ccacggaggc 720
gccggatccg cgaataagta t 741

<210> 21661
<211> 531
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (2)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21661
angaagggcc ggtcctcggc gggccttcac tcccaaccac ctggagatgg tgttctggat 60
catctgccca tcgggggcgt ttccgccgga ctgatcccat cttcttcaag cgccccccag 120
gcccgcgcca aggacgtccc gtacaaggag atcctgctgc agatggaccc ctccgggatc 180
gtcctcctgc tcggcgccat tctctgcttc ctgctggcct tgcaatgggg cggctccgcc 240
aaagcctggg gcaacgccga tgtcgtgggc acgctggtcg ggttcggcct gcttctgatc 300
gcgtttgcga tcaacgaact ctggctgcag gagaaggcca tgatcccgcc gcgcctgttc 360
aagggccaga ccattctctt ctcctcgctc ttcacctttt tcttctccgg atcgttctac 420
ctgctgctgt actacctgcc gacctacttc cagtccgtca agggcgcatc cgcctcggac 480
tccggggtgc gcaccctgcc cctcgtcctc ggcgacggtc tgtttgccac g 531

<210> 21662
<211> 546
<212> DNA
<213> A.fumigatus

<400> 21662
gcgactatga ccgccgtggt gaagacttcg atccgcattc cggaggatgt ctttcctacg 60
attacgcgca ctccaggcag tatgatcaat tttcgatatt atgtggaggt ggttgtcgac 120
ttgcggggca agctcacatc tcccgagcgc tttttaccac gcttcaacat ggtatcgtct 180
gggagcaatt tctcgccgag tggccaggtt ctgaacccca gtgacgccaa tggcaactca 240
attaccacga actgggctgg caacatccta gacacggctc agatacgccg ggaaaaggga 300
gttgtagctg tcgcttttga ggttgtgatc gggactcgtg actcgcaacg acacaaggag 360
aaaaccgagc gcacgcactc cgtggctgcg gtgtctgaca tatctccacc acaggcacat 420
cccgctgcgg aaagtgacca ctggcagaac ggctatagcc cgatgccgac gacgaactcg 480
gagtatctgc ctcaaaccga ctacggcttt cccgtacatc gccccggggg cgaagatccg 540
cgctag 546

<210> 21663
<211> 321
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (273)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21663
gctgggacat gggccagatt gcccagtttc tacagggaaa atacatcaga cacgatagtg 60
gattatacta cattccttgt tgcggatgag aagacggcct tagatgagga taccctgctc 120
cttgtttatg atgttgaggg tttgcaggag agtatacggc tctcggcctg ctttgccaac 180
agtgaggcgg tgtctgtctc agtcgcgacc aaggatgtgg gtgagctgtg gaccctcgcg 240
gatgaggatg gggtgtacag agggggtccg cancacccgc cgccaaaaaa gggcgggaag 300
gcgcccagga agcggctgta a 321

<210> 21664
<211> 420
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (25),(30)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21664
catgtatcct tcagccggcg tgtcnacaan ttcttcacca cggactgcta cggcggtccc 60
aaacagtata accagttccc cgtcgataag aaacatgcct tttccatgat tgccgagctc 120
ttcgcgccca agtcccgcgg cacggtgacg ctcaagtcca aggatccaaa ggagaatccg 180
gtcatcgact gcaactacct ctctgacccg ctggatctgc tcgtgttgac cgaggcctgt 240
cgcttcggta acgagatcgt gatgaacggt gcgggaacga aggacatcgt caaggggtcg 300
tggccgccga acctcaagca tcacacctat aagacgaggg aggagtggat tccgtatgtc 360
aaggagcatg cgacgacttg taagtcatcc gtactcgcaa caagacggtc ctatatctaa 420

<210> 21665
<211> 189
<212> DNA
<213> A.fumigatus

<400> 21665
gtcatccgta ctcgcaacaa gacggtccta tatctaactg acgggatagg ctatcacgcg 60
gctggcacat gcgccatggg caaagatggc gattcgatgg ctgtgctgga taacaagctg 120
cgggtgaggg gagtggctgg tcttcgagta gccgattgca gcgttatgcc gacgctccat 180
ggaggccat 189

<210> 21666
<211> 498
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (453),(461),(471)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21666
gtacaattaa cgccccgtcg cgtgtataac tgccgaacga ggacttccct tccacccgtc 60
ctcaccctct ccaccccgga aatggacgac gacgtgctca agttcgtctt gcgcggccac 120
ctcctcgact gctacgagtg gatctacttc ccctacctgc tcgaagcgat tgcacacgca 180
gccccgcgca acccggccac cgatgagttt gtcgtccgcg gcctcgccat ggccgccgag 240
cgcatccaca agaaccgcaa gggcttccgc caccgtcacc acggcgtctg gctcatgctg 300
cgctcgtgta cgcggagtgc gctcctgctg gttgcggcga gtcgggcggc gggggggtgtg 360
cgcgatatgc tgcctgtggg ttggaaggcg gcggttcggg gcgcggtgga aatgttggcg 420
tactggaggg atgacgccgg ggatgcgagg ganaggctga nggttctcga ngacgtggtc 480
gcgggatggg gggagtaa 498

<210> 21667
<211> 450
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (443)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21667
cgccccgtcg cgtgtataac tgccgaacga ggacttccct tccacccgtc ctcaccctct 60
ccaccccgga aatggacgac gacgtgctca agttcgtctt gcgcggccac ctcctcgact 120

gctacgagtg gatctacttc ccctacctgc tcgaagcgat tgcacacgca gccccgcgca 180
acccggccac cgatgagttt gtcgtccgcg gcctcgccat ggccgccgag cgcatccaca 240
agaaccgcaa gggcttccgc caccgtcacc acggcgtctg gctcatgctg cgctcgtgta 300
cgcggagtgc gctcctgctg gttgcggcga gtcgggcggc gggggggtgtg cgcgatatgc 360
tgcctgtggg ttggaaggcg gcggttcggg gcgcggtgga aatgttggcg tactggaggg 420
atgacgccgg ggatgcgagg ganaggctga 450

<210> 21668
<211> 513
<212> DNA
<213> A.fumigatus

<400> 21668
cccctggtaa catgcccgca ctgcctatcc gaggtgaaga cggagcgcga agtcgtggca 60
gctcaagctc atcaccgcgg ctcggatagt acgtcgggtc acaaaacccc tccaccttcc 120
cttcgacgtc gaaagtctcg ctgcagcgtt cagaaaggct cgccaccgaa ccgcgtcact 180
aagaggaaga ctcaggtcaa gccaaacatt agagcgtcag cttcgaaaca gcatcctgcc 240
aagtcgaaga ccaagggcca cgtcttcgtc tgcagcttct cacgctacgg ctgcgcaagt 300
acctttgcct ccaagaacga atggaagcga cacattgcct ctcagcacgt ccaactcggc 360
ttcttccgct gcgacgtcgg caactgcaac ggcggccaca aacccaacaa caaaatgacc 420
tcaacttcca ccctcaacca ccacgaccag cccggtcacc aaaccaacga ctttaaccgc 480
aaggatcttt tcacccagca ccagcgccgc atg 513

<210> 21669
<211> 231
<212> DNA
<213> A.fumigatus

<400> 21669
catcgggata tttccatact aattcgatca cagcgattac cccatcttct gctatatggc 60
cctccgggta ctggtaaaac atccacaatc ctcgcgctcg caagacggat ctatggcagc 120
aacaatatgc gacaaatggt gctcgaactc aatgctagtg acgatagagg catcgatgta 180
gtgcgcgagc agattaagac ttttgccagt acgttacatc acaccttgat a 231

<210> 21670
<211> 363
<212> DNA
<213> A.fumigatus

<400> 21670
aagaagtcgg tcgtgatgag cctgtacaat gcggcgagtg cggctggtaa catcgtcgga 60
ccaattctgt tcagctcgga ggatgcgccg acataccatc ctggactgca agcctgtttg 120
gggatttttg tggcgctggt ggcagtggtg ttgatccagt gggccgatct gttcgtgttg 180
aacaagctgc aggagaagaa gcgggtgcgg aacgggaagc cggccaagat ggtggatcgc 240
tcgatggacg atcactatca cggcacggga ggcgacgagg aagctatgca ggaggaattg 300
ggcaacaatg gactgctgga tgtcactgac cgggacaatg acgagtttgt atatatttat 360
tag 363

<210> 21671
<211> 225
<212> DNA
<213> A.fumigatus

<400> 21671
agtgatctca aatcctttca aattctttgg attctcttct tgttgcatgc ggccacaatg 60
tgcaattatt ttaagaacta ctatatctac agctcttgcc gcgaaccatc acagcatttc 120

atccgcacat cggtcgacgg agctaaggag agcaagtgtc cggacagccc tcatgacaga 180
ttcattgtag tcgtggggaa atgccgcctc tgtcctcctc gttga 225

<210> 21672
<211> 324
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (14)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21672
ctcccctcag ttanaaatag ccgggcatct ggcgaatccc gaggtgaaga cctggcgcac 60
gatctgcgtc cgcgcgccct acaatgggat ggagtcatgc atggcaattc tgcctgcgcc 120
ctgccccga gtataaacag cgccgtgcca tttcccgcag ctcatatggc cgccccgcag 180
gagctgttgt tgctctcgcc gcaagccccg gccgaccccg gctcgagcca gggttcgccg 240
agcgagctgg gcgctggcgg ttatcctgat gtgaatacta cttctggtgt gcgtctaatt 300
ctactctacc cctctacagg gtag 324

<210> 21673
<211> 210
<212> DNA
<213> A.fumigatus

<400> 21673
tgtgtagttt caaacgtgac ccccgaggac caggcagttg ttactgcctg ctcgtacctt 60
ttccgctccc taggttcggt tattggtgtg tcgttatcct ccaccgtggt tcaacaactc 120
ctacgcagtc agctcagatt cgctttgcgc gatagcaagg acattgatcg tattgtcgaa 180
ggggtgagac agagtctgga ctacatcaaa 210

<210> 21674
<211> 513
<212> DNA
<213> A.fumigatus

<400> 21674
gaccctgagg acagagagcg cattgctgat gtggtcttcc gcagaatgcg tgatgaccac 60
caaagacttt tgaccgacgt ccgcagggac ggtattgatg agcgctggag acggagggcc 120
ttctacacgg atgtagaaga tggcgccact gctcccgaag gctatgtgag cgatcctgat 180
gttgaccatc tgtctgagga tgaggatgcc cccggtcacc cttcagctct cgattcccac 240
cctccatcgc ctcgttctcg gtcatcgtcc aaggtgcgct tccaggacga tctcaccgat 300
gactatgacg tcagatcgaa tccctctact tcgtctcgca gtatccctgt aggcgagcgg 360
tggggtgggt ttgagatccc cgaggtcgag aaagacgtcg gcaaggagat cttgtatcaa 420
gtaacgcagc aaggattcaa cgaacttctt gacatcctat tcaagccgaa cgaggtcatc 480
gccacggacc tgacaaatcc gcactcacga tcc 513

<210> 21675
<211> 534
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (3)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21675
aanaagggtg tctcgctgag tacgcggact atttacagca tggcagagct ctccattggt 60
ttgtttcaag aagacgactt gatggagagg tcgctcgcaa gtctaccgga cactgccatc 120
cccataataa ccgactatat cgacaagttg tgccatgcaa ccgacctttg caaagatcat 180
tctctgcacc aatgcctgga tggagataat actcctggta tggatgagga ggctctcacc 240
atggtcaaag taatgcagca aaatatagaa cgctggttcc gttttgtctt gggtgaggac 300
ttcactacga atgcgagctc ttcggatagg ctcgatctgg aacaagaagt gaagctggcg 360
actttggctg ctacccagcg agccagggag aacagagcac taagcaacag cagtggaaat 420
tcgcacaccg agcatgtcac tctacgctca ggccagaatt tctatacatg gctgcataca 480
tctgctgttc atgacgtcaa gagcgcggtc gtgtctaaag cccttatctg tacg 534

<210> 21676
<211> 204
<212> DNA
<213> A.fumigatus

<400> 21676
accgggcaat gtaggcttac ctcccagcta ttcttatggg tctttttctg gactaacagg 60
tggcaggtca cacccgttgc agagttcaac gcatacgccg acgcattcgc cgcggcgcgc 120
gttttcgccc tcacctcccc taaccccaaa accaccatgc catccggcac caccctcccg 180
tcctaccccg ctaaactaag caaa 204

<210> 21677
<211> 486
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (12)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21677
ttccacagct ancttgctgc gggctgtgta agacatatgt tcgagccctc ggcggatccc 60
actgtcatcg agcccatacg caccggagac tcggcgcatc ggtcctttat tgcctctaag 120
cggcccgcgc accaggaaat cctccgcgta ctacgcgaga acgatcccga cactgtcacc 180
ctcgtggccg tcggcccgct aaccaatctg gccctcgctt ccgcggagga tgccgagact 240
ttcttgcgtg tcaaagaagt agtagtcatg ggaggagcag tcaatgaacc gggcaatgta 300
ggcttacctc ccagctattc ttatgggtct ttttctggac taacaggtgg caggtcacac 360
ccgttgcaga gttcaacgca tacgccgacg cattcgccgc ggcgcgcgtt ttcgccctca 420
cctcccctaa ccccaaaacc accatgccat ccggcaccac cctcccgtcc taccccgcta 480
aactaa 486

<210> 21678
<211> 201
<212> DNA
<213> A.fumigatus

<400> 21678
gccccccccat ttttaaataa ggccggatcg ctcactcccg aggtgaagac gactgtggaa 60
aatattatga ttattaactc tattattatt ctacattaca tattatatag taatataagc 120
cgtaatagcc ctaccttggg gagaatagta cctcctcaga ttaggttgaa aagggctata 180
aaagccaggt ccccatcttg a 201

<210> 21679
<211> 519
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (301)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21679
aatgccgcac tcgaggcgca gaagaaagcg gcggaagcca acgacgtccc caagctcgtc 60
tccgtgcagc aagcgatcaa attcaacggc ggggggcaca tcaaccattc cttcttttgg 120
aagaatctgg ccccggagaa atccgggggt ggcaagatcg atcaggcacc ggtcttcaaa 180
gcagccatcg agcagcgttg gggatccttc gataagttca aggatgcttt caacacgacc 240
ctgctgggca ttcagggcag cggatggggt tggttagtga ccgacggacc caagggaaag 300
ntagacatta ccacaaccca cgaccaggat ccggtgaccg gggcggcccc gttctttggg 360
gtggatatgt gggagcatgc ttactacctt caggtacatc tccattctct ccggcttctt 420
ttcttttgtt ctccatgctc gtttgctaat gagtcaatag tacttgaacg acaaagcctc 480
gtatgccaag ggcatctgga acgtgatcaa ctgggctga 519

<210> 21680
<211> 363
<212> DNA
<213> A.fumigatus

<400> 21680
gtcgcagagc ccatcgctct gacctccata ttcccatact catgggttat ggttaaggat 60
tttcgagtag cagatcgcac agatgcgtct ttgtatgccg gaatcctcgt gtccgctttt 120
tctcttgttg aagccctcac cggtatgttc tggggaggtc tttcagaccg catcggtcgt 180
aagccggtcc ttctgtccgg ttgcttcggt accgtcctgt cccttctcct tgtgggattc 240
gcgccaaact tctgggtagc actcttaggt cgcgcactag gtggtctgct gaacgggaat 300
atcggagtca ttcagacaat ggttggagaa ttagtcaagc gaccagaaca tgaacgtaag 360
tga 363

<210> 21681
<211> 189
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (35)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21681
caatctggaa aattccagca tctcactcct cattntatgt accctgtcga cgaccccggg 60
gctctccaat atctttgtat gggcgttgct gctcagatga cctcgtctag atacgtaagt 120
accaaggtac ctgtggaagt gataccacgt tatctgtatt gtaattacaa atactatccc 180
aagatataa 189

<210> 21682
<211> 522
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (409),(448)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21682
acagtcgctt cagccatgga cacttaccgc atcaatcggt ataacatcac ggaacagaag 60
acctacacga accgtctgat ccaaggcgcc ctgcggtacc agaagttgaa cctgtcaagt 120
gctggggagc ttgagctatc ttttgtgggg ttcaagccaa ctgtgcatga ggttcccatg 180
tcgggacttc cagggtcctt taattgctcg gacccggtgc tgaatcgaat ttgggagata 240
ggggcgcgta ctgtgcagct gaacgaattt cctgcaagat ctcttccgga tttctggatt 300
ttgactgaag aaggagctct ggtggatagc cttgctcccc aaccatttgc agcggacttt 360
gcagctacca tgtcggctta caaggtcacc ttctccgtga agccggtanc gcatggtttt 420
ggcttcactg tgttgagtga cacgctangg aatgggattt acatctttgt agatgtagtt 480
aactcatcga tctctgctca tgctggatcc acagagattg ga 522

<210> 21683
<211> 342
<212> DNA
<213> A.fumigatus

<400> 21683
accttccata ggagagatga gactctacag ccactaacca gacagacagt ccccacgggc 60
ctcttcatcc acaacgaatt caccccctca tcctccaacg agaccctcac cgtcgagaac 120
ccaaccacag gaagcaccct cggcaccgtc tccgccgcca ccgccgccga tgtcgaacgc 180
gccgttacct cggccaccac cggcttccag acctggcgga caacccccgg ccccgagcgc 240
ggccgactcc tcctcaagct cgccgacctg atcgagcggg acgccgagga gtttgccagt 300
cttgaggcgg tcgacgccgg aatcctctac accgacagca tg 342

<210> 21684
<211> 234
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (203)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21684
gcgttgtcga ttgttggggc ctcgtggggg ctcgtgtttg cttctttctc gacttctgct 60
tctgccggta aggcgcagcg gcatgcgaag aagggcaaga gtagcaagga gaggcaggct 120
gagggctccg gacccctcat gaagcggatt gtggttgatg gatgcgattt gttgattcct 180
ggggtatttc tggtcttaac cgnggggata gaagccagtg cgctgccccc atac 234

<210> 21685
<211> 462
<212> DNA
<213> A.fumigatus

<400> 21685
ttttgtttcc aacctatcga tgactcccgc cccgtccgta tagaccaaca gatgcccagc 60
gccctcacgc acatcttctg gtccaacacc gacgtctcca ccggcatcac ccacaaaccc 120
tacggcgtgg actggatcaa cttcgaaaga aacatgtacc gcctctgcgt cctccaaggc 180
aaggtccgcg acggcgacaa ggtccccgag gatccatggg agatgttcct gcgcgagctt 240
gcaccgctca cgaaacgccc cgctggtcag ccgcagccct cgactgcata ctttcctacc 300

tcaattttgc ggtcgtcggt ggggaatgca aatgcaaacg ccagtggcgg tcccagtgcg 360
ggtcaggatg gccagcatca tgtgcttttc gaggtgcctt tattgcgccg ctcggatgag 420
aatcggcgga acgtgggccg gatcccgcgt tatttgaatt ga 462

<210> 21686
<211> 534
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (504)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21686
ccttccagcc tcgtcgttaa gaccgcagat gaccaacaga acatgccgca cagcactcaa 60
tatggatatg gcaatcagta ttgcccatat ggcaaggctg gcatatacgg ccagccgcac 120
ggtttctcct acgaacactc ctcctcgcct gctaccgagg gtagcttcaa ccaatctgct 180
cccggccgtg actccgtcta tggccgcacc ggatccaccc aaccttctga gacccagcag 240
accgccgccg gcaccaacgc ctttggcgcg ggcatgtcgg acgtatttgg ccgcacacaa 300
gctggtttcg gacaaaacca gcccatgtcc cagcagcctc cggtgacctc tgacgatacc 360
aagagcttca agacacctaa agcggccggc cccagtccct cccttgcaca ggccaaccgt 420
ccgggctctg acactaacaa cgtgcccgga cagcctcagg cacagactgg ccttcccccc 480
cttcaaagcc aacatggaca acanggattc agtggaatac ctcacctgaa cccc 534

<210> 21687
<211> 279
<212> DNA
<213> A.fumigatus

<400> 21687
caaagtcagc tcgtcatgca gtttgctcta ccccctcgga ggagtcctca tacttcttcc 60
cacacccgct cctccaggct ttctttacaa cgcaagaaac agctcaagac cgctgcaatt 120
ttaggctttg ctatcctcac cctcttcttc cttctatcac acttctccca ttcgagtaca 180
gcaccaacgt ctgccccttc gggagcttca agcattgtca ttgtgacgga tctagatcga 240
gcccgtttcg ccgttataca tcgctttctt acgagctag 279

<210> 21688
<211> 408
<212> DNA
<213> A.fumigatus

<400> 21688
gttcggtcca aattacccta ccaggggaag ccgattcggg gtcggccgga aatttctctt 60
gggggcagct taactcggta ttcatggcgg catgcacgaa ttttccccag tctgctaggg 120
ttacgattca ctctaggcgc gtttgaagcg atgatcggta tgtcctcccc cgcccgatct 180
gatgccatgc taacgggtct agccccctccc tgcgtggctg taacgcaaat gtggtggaga 240
cgaggggagc agacgcttcg aacagccttt tggaacggga tgaatggggt gacctttatt 300
gtcggcagct tgttcaccta cggactcggc catatccata gcgacagcct attctcatac 360
caggtaccgc ccttcctccc tggtcgagcg acagaagcta atgagtag 408

<210> 21689
<211> 363
<212> DNA
<213> A.fumigatus

<400> 21689
attatcttta tgttctgcgg tctgctgact gtcgcctact ccttattaat atttattttc 60
atgcctgact ctcccatgga agcgaaatgt cttagcgacc gtgagaaggt gattgccgtc 120
gagcggctcc gcgccaacca gatggggatc atttcgcggg aatggcgatg ggaccacgtt 180
cgggagacgt tctacgatct gaaaacgtgg tgctggtttt tcctcatcgt ctcgatctcg 240
tacgtcgtcc ctgccagggt ggatttgcga ctcgcgctaa cctatgcaga atcccaagcg 300
gaggcatcag tacgtcgggc cacctgtctt cactacgagc ctgccggacc gaactacggt 360
agg 363

<210> 21690
<211> 231
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (221)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21690
ccgtgtaggt acctcatcgg gcaaggaatc ggcagcatcg tcttccctcc ctactcggaa 60
gcatttggac gcaagaaact gtacattgtc agtacggcga tgtacagctt gtcgtgcatc 120
atcatcgcga ttgttccgtc ggttgctggc gtagtcgttg gacgtctact cagcgggttc 180
ctgtcggcga ttcctactaa cgtagtggca ggccgtatcg nagacttttg a 231

<210> 21691
<211> 186
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (172)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21691
gctactgcgg cggctacgat ccttcctatc ctcagtgtct ccgccatgat tatcgcagca 60
tatcagatgg gctttttcta caacatcaaa aaatcttgca attcgaacat gcgaatcggg 120
ctgccgaacc atgtgcggcc acgaaacaca atcctgttgc ctcctaccac antgccgcgt 180
ccctga 186

<210> 21692
<211> 282
<212> DNA
<213> A.fumigatus

<400> 21692
atagggccat atcgggttca gtccggtggc cccgatccgc ggcgccgatg cgttgcggct 60
ggggcaactg gccaagaaac actgggccgc ctcggggctg gatttttttt cctcgacttt 120
gtggttgggc ttcgcgaact gcatctgatt gtggagtgtg tgtatgatcg cgatgatgca 180
cggcagcgct cctcggccct gcaggtgatg agggccctga ttcaggacgc cgccgcgcag 240
ggatatggcg agtaccggac gcaaatggac tgcagaggat aa 282

<210> 21693
<211> 408
<212> DNA

<213> A.fumigatus

<220>
<221> unsure
<222> (343)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21693
aatctttctt ctcatacgat ggatccaatt aacccggact tagtgaactg tccatttatg 60
gcttcgtcct actcttcact caacttcgat ggtccattga gggtggatgc aaaccacgcg 120
atgaatccgc aatacgcgcc caacagtttt gtgcataagt ttagaccaga tactgccgag 180
gcaccgtacc agctggcaga taacactgtg agccgcaagt ctcacttcta ccacgaaggg 240
aagttgtcgg agtatgacca gccgcgtgct ctataccaaa aggtcatgga tgctcggggg 300
agagagcatc ttcattgcaa tactgcacgc atgctcaagg tanttgaata tcccgaaatt 360
caactcagat acctaacaca gctgtactgc attgctccgg agtatgca 408

<210> 21694
<211> 273
<212> DNA
<213> A.fumigatus

<400> 21694
cgctcaggca gccctgcgca cttgattctg caagtcgagc tgaatttccg ttgccacacc 60
aagctatctc tagcatgtaa gaattccttg caactctaca cagcagcggt ggggaacaat 120
tggaagcgct cgatttcaat ggattactgg agagatttct gtcttcaggc ctgtgggtat 180
tcagagaagt tgagctacga ctgcaggcca agagagattt cagtcagtaa gtaccgtctc 240
ctaagtggtc atttttgttc tacaccggcg taa 273

<210> 21695
<211> 651
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (57),(81),(232)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21695
tactgtcccc ggagcctttc tgtcccatcc gcgggtgatg ttcaattgcc cttcgcngag 60
tcgtcgggtt ccccgaaacc ngattcagca ccatcccaat ctgcaacaac catccccatt 120
cccgtttcga agcgtaaggc atctttctcg gctcccacac ggcgcgtgac tgttgaagaa 180
gctcgtgcgc catctcaacc tagagcacat catgaaacca ataccgagcg cntacccgca 240
aacttcgagg cgaatggacc cgagagacat gggggaatag ttcaaagtat cgaagacccc 300
caaaaccttg tgagccgtaa tgacacttcg acacctgcgg ctggttctca gcaccttcca 360
cctgttgaga gtgctacaga gatccgccca tccaagcgcg tgaaactgac tcaagaatcg 420
tcgaaaacat ctacccgtcc tactccttca ccatcccatg tcattactcc cccaccaatc 480
caacccccaa cggttgatga aactatggaa gttaccgacg gagctgaatc gcaaccaaac 540
gccgaccaga ctcgaagggc gtcgaagtcg cgaggcagaa gggcaagccg cacctccaat 600
gttgaagacg ctgcgggcaa ggcgaagagg aagcaacaac ggtctcgcaa a 651

<210> 21696
<211> 240
<212> DNA
<213> A.fumigatus

<400> 21696
cggaggcgct gctctccccg tttcctgtca ataaatgcat cttggaccca ttctacaatg 60
gtctcaccga aatccagctc ccatccttct tcaaaaatag atgtcatcaa ccattcccta 120
atcgtcatta aattggtgtt ctaccttcgc ccccatcccg gtaaccttca acccaagttg 180
acttttattc acctggttcc gttgttttcc cataaacaat gctccacggt cccccaacat 240

<210> 21697
<211> 360
<212> DNA
<213> A.fumigatus

<400> 21697
gatggaacga aagtcgtcgg agcaggtgcc gacaaagctg cacggatgct ggatctcgca 60
gccaacgcta ctacacccgc tcaagtcgct gcccacgatg ctcctatccg atgctgccat 120
atgataccta atccagctgg aaactctcct cttcttgtga ctggttcatg ggacaagacc 180
atcaaatact gggacctgcg gcaatccacc cctattgcga cggtggagtg ccaggagcgc 240
gtctacacca tggatgttaa gaacaaacta ctagtggtgg gaacggcaga tcgatacatt 300
gatatcatca atcttgacaa tcccacaaag ttttataaga ccattcagtc accactcaag 360

<210> 21698
<211> 657
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (608)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21698
tcgagtcaaa gatcagagga ctttgccatc caggctgctg ccatactgga cacgttcgcc 60
gcttacatgc accgcaactt tgatgtcacc tggaagattc gcggcgtcac gcgcagctgc 120
actgtcgcta agatggacag catcaacctc acctgcgttc cgggccgcaa atactggttc 180
aagtattggt taaagcgggc cgtgctgctg agcgatatcg acctcgaaga tcgactgatg 240
gtgctctctc cccggccaac gcacaaccaa cgcggtccgc tactgacacc gtcgtcatct 300
tcgccgtcgt tcgattcgac gacaccgggg gcgtcggacg atgacgatta ctattttcct 360
cctggtcctg cgtttacgcc ttccgtccgg aatgcgcgtc gggtccgtga gtcggcgctg 420
cgcatggttg atgtcaacga gtacctcaac gacactcccg tggccttgcg cgagaaccac 480
cgcgtcagcc gcccgcccga gtgccgcgac tggtccgggt atctggggtt tgtgggctat 540
tcgcaggatc ataagcattt ggcgagcatt atgctgggaa tgtgcggggt gtggaaccca 600
aaggctcngg ggatgtggga tgagaaacat gcccgaagat cagtttactg gttgtaa 657

<210> 21699
<211> 498
<212> DNA
<213> A.fumigatus

<400> 21699
gagcgcttgt ccttccagcg gcgggtgaaa actgctacca taggtaccac tagtggtacc 60
tatggtagca gcaacaccta cgaatccact agcaacacct acggatctag caacacttat 120
gaaaacagaa gcaacactgc tggtcctcac ggatccaaca ttgccaacaa gctcgaccca 180
cgggttggct ccgacgcgga caaccgtggc ctgggtactg gcactggcac taccagtggc 240
actggcgcct tcggctccgg aactggaact ggaactggaa cgacaggcta cggcaccact 300
tcctcaaacg ttggacccca cgactccaat atcggcaaca agctcgaccc tcgtgtggac 360
agcgaccagg acaaccgcgc tcgtcgccag gctatggctg gcagcagcta cactggcgct 420
ggtactggca ccggcactgg agctacggct ggtcctcata gctccaacat cgcgaacaag 480

ctcgaccctc gtgtcgat 498

<210> 21700
<211> 456
<212> DNA
<213> A.fumigatus

<400> 21700
gtaccactag tggtacctat ggtagcagca acacctacga atccactagc aacacctacg 60
gatctagcaa cacttatgaa aacagaagca acactgctgg tcctcacgga tccaacattg 120
ccaacaagct cgacccacgg gttggctccg acgcggacaa ccgtggcctg ggtactggca 180
ctggcactac cagtggcact ggcgccttcg gctccggaac tggaactgga actggaacga 240
caggctacgg caccacttcc tcaaacgttg gaccccacga ctccaatatc ggcaacaagc 300
tcgaccctcg tgtggacagc gaccaggaca accgcgctcg tcgccaggct atggctggca 360
gcagctacac tggcgctggt actggcaccg gcactggagc tacggctggt cctcatagct 420
ccaacatcgc gaacaagctc gaccctcgtg tcgatt 456

<210> 21701
<211> 297
<212> DNA
<213> A.fumigatus

<400> 21701
tggccagagg ctttttccct gttttatgcc aacacccttt ccttatccct tccctttcag 60
gtctctaggc tggcaacgac tctcctaatt agggttctat tgactgagtt gcatgctgca 120
gttgagaatg tgaccatgga gcactgcttg aaattccacg tattatgcaa ggatgcctta 180
atcatacgac ggaagcctcc gctggcaggc ttgcatactg caattctaga tctgttgaca 240
aacaggcgac gtccgtgctc cgattcgacg acgccggggc tggaagatat cgcgctc 297

<210> 21702
<211> 324
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (310)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21702
atgactggta cagggtgttt caggtcatgg agcgaaatga cccctatact gcttcttcag 60
atcttcggct ggaggatagg ctggacttct atgtataaat atatcgaaga tgtagtgatg 120
gcttgctcca tggccaggac agacactcct ttcattctct cctctcaagg ctggccctgt 180
cgcaatggcg aggttcgcgt ggcttctgac ctcaagtctt tcgttctcga ttctttctac 240
agcttttccc ggctggcgct cattttcaag ctcctaccaa ctttgtcttc acacacgcag 300
ctggcaggan caacgcggag cggg 324

<210> 21703
<211> 501
<212> DNA
<213> A.fumigatus

<400> 21703
cgctgttcct tccagccgcg gggtgaagat caagatcagg acttgactgc tttggaggat 60
atccttaagt ggaaaggatt cttcagaccc aacgtccttg gccttctttt ggtggcagaa 120
ttcttcccta aatggcataa gatcctatac atctggctta ccaatgatcc aaacttcgaa 180

gaggtcggcg aatggttcac ctggtggcgc acccagatcc cggcagagat caacgagctc 240
gccgtcgtcg acgacgaatg gaacaaaggt ctccaacaaa tggaccttgc gtcccgcctg 300
gacgaccccg ccaccgagct gccagtcccc aacgccgcag cgcaaccggc gcccccagaa 360
gacgtgcccc acgccgcttc agaagcgcct gccccgtctc gcaaacccaa tgtcgtcgag 420
gaaatcgcct tcaaggatat tcttgaatct tggtgcatgg aacagggtct tatcatactt 480
cccctgcggg aagcgcaccc g 501

<210> 21704
<211> 786
<212> DNA
<213> A.fumigatus

<400> 21704
aaagccaagt gggtggccga gcagctggtc ctggaggccg gtcgccgcgg attgcccgtc 60
aagattcacc gtgcgggcac catcagcggc cacagcgtca cgggagcggc caatgcctgg 120
gatctgttgt cggcactgat agtcgaatct atcaagctgg gctacgcgcc cgacgtcgac 180
ggctggaggg cggaaatgac cccggtggac tttgtcagca aggcgattgt ccacctggcc 240
acccagacgc aggccggcca gacgattttc cacctgggtg atccggatcc ggtagacacg 300
agacgggtgt ttgatgccct gtcggagctg ggatacccca ccaagcgact cggatgggac 360
gagtgggtgg cgctttggac ggagaaacaa cgatcggtca agggaggcga tggcgcattt 420
accgttgata ttctgcgaag tggtatgccc acggtggaat tcctgcgggg aatcgttgtg 480
ctcgacaacg cggcgaccaa tccattccgc gccgtggtcg aatggtccag ggtcgatcgc 540
gcattgttag agacctatac tcgtcattgg tttgctcgtg gatggcttcc caaggctcct 600
gcccggttgg ccaatcctgt tgtcgccatc cggggtcctt tgaaccgccg ggtggccgtc 660
atccaccggg ggtcctctgg gtattggcgc ccgctgtggg caaccgcccc tccgtccgcg 720
aaagggatgc catgtttccc ctggccggtt cgcccgtctg ggtattccct cgaattccct 780
ttcatc 786

<210> 21705
<211> 189
<212> DNA
<213> A.fumigatus

<400> 21705
tcgctgatcc ttccggccgc tggtgaaaac atctgggggc taccagcagc taccatggaa 60
atcctgaagc ttaataatgg acatctccgc gtgatgagtc tctgccacaa tgccctacaa 120
atcatggctg gccgtatcgt cctttacgtg acattcctag tcagactcct tgcctctctt 180
gcgccttaa 189

<210> 21706
<211> 327
<212> DNA
<213> A.fumigatus

<400> 21706
gcggcgcacc aggatgcatt ggcatcgcct atgggcgtat acttccgtgt cggcctcgat 60
gccggaacaa agctgggcca cagcctgggc ggcctgctga ccatgcagga tctggatgcc 120
gggtacgggg aacggacgct gacctgggga ggtgggatga ctctgttctg gtttatcgac 180
cgcaagaacg gattgtgcag tgtttgcgcc atccaagcct cgctgccgtt caataccgac 240
gctgtgatgg cgctgcggca gacattccgc cacgacattt accgcaagta tgctgcgttt 300
aaggcgcaag agaggcaagg agtctga 327

<210> 21707
<211> 279
<212> DNA
<213> A.fumigatus

<400> 21707
agacgcggca ctctggctcg aaagattact gtagacccga acatgacgct ggaggaattc 60
atagagagtc tcggtgagcg agccgaggcc cagctcaaga agccgagtat gagaacggaa 120
gaaaagacac tctaccaacg tttcccgccc cagctggagg agcagaccag gagcaacctg 180
aagctgaagc tgaaggaact ggttgaaaat ggtcaggaaa ttgcggtcag cgaccccgcg 240
tactctattg actttcgctt ccaattgatc ttcaaatga 279

<210> 21708
<211> 198
<212> DNA
<213> A.fumigatus

<400> 21708
tcttttgccc gccgtatacg tactaaaaca atgctcgctt cgactcttgg gccatcacgc 60
acgccaacgt atacacttgt gacgaggcct cagcgatttg ctccctgcat actcttcatg 120
tccaagatca cctcgctgct tcccggcaac gtctcctccg cctatatcca cgcagtggcc 180
ggagcctttg ccagatga 198

<210> 21709
<211> 309
<212> DNA
<213> A.fumigatus

<400> 21709
tcaaaaatga ataggttcat gggcgctctc tccaactctg gccgtcgctc tgccaactac 60
gtcggctttt acaagggcat ccagtcctgc ggcgccgcta ttgtgaacaa ccttgatgct 120
cgcaagctgt cttacgagaa ggaattcatc agtaactggg tgctcctctc tgtctccctc 180
gttgtggctg cccccgtcat cttcttcaag atccgtgatc acatcgatgt tcaggatgat 240
ctggcgggca ccgacgagac tatagcggat gttctgcccg ctaaccaccc cgagaaggcc 300
gtggcctag 309

<210> 21710
<211> 432
<212> DNA
<213> A.fumigatus

<400> 21710
tcaatggtat ggtttaaact acgatttcac aacgccgcta acatggcaca tatggtctct 60
tttgacaatg gcagaacact caagcagaag gccgatttcg cgaatagcaa atgccttggc 120
ggccttttca gttgggcgct tgatcttgga ggccctggct ctttggccaa tcctaacgat 180
ctaagctacg acgatacaag catggagggt gccaatgcag gcggaggcac cgatggaacc 240
ggccttttct atgtcgggcc aggagatctt cgacgaaagt caaaacaccg tgactgctgt 300
ggcccccggt caacgtcttc tttccgaaat tcgttctcgg atccccgaca accattgatt 360
tcggcgctgg ggtttccaac ttcattggag gttccaactt ccaccaccac ttaccgttct 420
tacgcgggaa cg 432

<210> 21711
<211> 504
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (8)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21711
aacataancg cgtgtcgcgc ctctaggatg aatatgtgcg ctgggcttga tcttctgtgg 60
cgtaacaata ttgaccctgc caaagttctg ctcgggctgg gcttttatgg cagatcgttc 120
acattggagg actcttcctg caacaccccc ggatgcgcat ttagcaccac cagcggttcg 180
ggaggtgcca gggctggtga atgtacagga acgagcggta ttctctctga ctacgagatt 240
agccgcatta tagatgacta ctcagtcaat gtgcactatg atgaagctgc cggcgtcaat 300
tggatgacct ggagtggtga tcaatggtat ggtttaaact acgatttcac aacgccgcta 360
acatggcaca tatggtctct tttgacaatg gcagaacact caagcagaag gccgatttcg 420
cgaatagcaa atgccttggc ggccttttca gttgggcgct tgatcttgga ggccctggct 480
ctttggccaa tcctaacgat ctaa 504

<210> 21712
<211> 198
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (65)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21712
aaaataaaaa taaaatggaa aattactgtc aggaccttta gaccacgaaa cctcactctg 60
ttcantacaa gatacatcct cattctccca ctcattctcc tactctggac gcactatctt 120
gccttttttt ttattattat cctttcgtct tgtcttctat ccctttttctc ttcaacattc 180
tacctgtcta ctatttga 198

<210> 21713
<211> 450
<212> DNA
<213> A.fumigatus

<400> 21713
aaacaaattt gcattctatc aacgcccccc ccccctactc catcctatgc aatgaactta 60
tcccatgttt acgagatgct atcctcccag ataaccttca acccaatcac ccccatccat 120
gacgccaccc ggtccaccca agttgacagg caaagccctc gctcgaacct ctccgacacc 180
ccaccgctga aaagtccgat accacgcggg agccctcctc ctcctccttc cctcgtcctc 240
gtccgtcgtc gaccaccacc ccccccgaag ccctacccaa gcagggtccc ccacccccttc 300
gacccatatc cttcccgccc cctttgccac cccccatccc agggaccggg tctcctcctc 360
ggcccgtgcc cacttagccc cccgataaac caccaaggca ggcccccttcc tacccaacgt 420
aaatccattc gggtttccgc attcacctcg 450

<210> 21714
<211> 417
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21714
nacatctcca gccagaagcc gggctacaag catgccggat atgacgtcga ccacccgatt 60
atccctcatg gggtctcggt cgcggtcacc gcgccggcgg tcttccgctt cacggcggcc 120

tcgaatcccg accggcatct ggcggccgcg gaggcgtttg gcgtggatat ctcgaacgtc 180
aagcgcgaga gcgcgggcga ggtcctcggc gaggcgctgg ccaagtttct ggccgacctg 240
ggtgaccagc cccggggact gaacgatctg ggcttcaagc attcggatat cgagtcgttg 300
gttgagggga cgatcccgca gaagcgggtg ttgatgctgg cgccgaattt gagtggcgag 360
ctggagagag agagggatga gttgaggggg ttactggagc agtcgatgga atattag 417

<210> 21715
<211> 504
<212> DNA
<213> A.fumigatus

<400> 21715
ttacgtctct cgggtcccgg cttgaagccg gaacccgaga gacgggatac tccagttccg 60
ctgaattcca agacgtccac gcccacgccg aatgacccta ccccagaaga gccgtcgaac 120
tccaatgtcg ccagttggtc acctcaagat gtggtcatgt ggatgctcca actcgggttc 180
gaggagagca tcgtggagaa gttcttcatt aatgacatct cgggtgcgat ccttcttgag 240
ctcgaggcca acgacctcaa agaactcgat attcagtctt ttgggaagcg ccaccattta 300
atgaactgca tacgacagct gaaaagtagt gcgtcgatgc ctggaggcga tatacaggtt 360
acttgggatc cttcatctcg cgaagataac tcgactccaa aaaccacagc tgctgatgtt 420
ggaaccaatt gctgtacaag cccagtcacc gacgaagaaa ggccggactc cggaaacaaa 480
cagcacaagc accgccgccg ccgt 504

<210> 21716
<211> 345
<212> DNA
<213> A.fumigatus

<400> 21716
attttgactg cgaaatatct gccgcttgac gtcaacatcg ggatagggtt cttcgcatcc 60
ccattgacta atctgactgt caatcagagt cagctcaaga caggagacta cccccagcaa 120
atctcgcaac ctcccatgtc ccccgcctct caaggggaaa gcagcctatc cagacgcagc 180
tgcatccgat gcaaccagag gaaggtcgga tgtgatcgaa aacaaccttg tagccgatgc 240
ctcaaagccg gggccgaatg catccactcg gggaacaagc gagccccgcg gaagctgaaa 300
cggcccccga tctccaagat tctggtccac cttcaggagc tagaa 345

<210> 21717
<211> 183
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (114)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21717
ctctgcagcg aaaccctcgt gtctccaatt gccctggcga ggttgtccat gtcggagatg 60
gccgccgcta tgttggtggc tgccagcgca caggaggcgc caacagcaag gtancaggca 120
agattcttca gcaacatttc ggaagccgat tgtgtccgac ctaaagatag ctctaagggt 180
tat 183

<210> 21718
<211> 315
<212> DNA
<213> A.fumigatus

<400> 21718
taccttgctg ttggcgcctc ctgtgcgctg gcagccacca acatagcggc ggccatctcc 60
gacatggaca acctcgccag ggcaattgga gacacgaggg tttcgctgca gagctaccaa 120
ggaggcgcct ttggtgccat caacactgcc agcgccgtca acaacgcaaa gcttgcggct 180
agagctgctc gagagaacct tgctgcgagc ggtgctttta cccccgacga agcggcccag 240
tactacgagg cttacatgaa aatgacccca gttctactgg atgcattgac agttgccaag 300
gacaaggtac gctag 315

<210> 21719
<211> 765
<212> DNA
<213> A.fumigatus

<400> 21719
cgtgcgctga gcgcgggatc ggccggcccc gtggtggagg ataagggtca acgtgcggag 60
gaggtccgac agagcggggg ctcgcagata agtgtgagag agtgtgccac agcagggtgg 120
caccagatca aggtcgtttg caagcgaacg aacatcgtct tctggcgatc gaggaactac 180
ggcttcacac gactattcaa ccacgtcgtc atcgccctag tcaccggcct cgcatttctg 240
aacctagacg actcccgcgc ctccctccaa taccgaattt ttgtcatctt caacgtaacc 300
gtcctaccgg ccatcatcct ccagcaggtg gaaccccgct tcgagttctc gcggctcgtc 360
ttcttccgcg aatccgcctg caaatcatac agccagttcg cattcgccct gtccatggtc 420
attgccgagc tcccctatag catcctctgc gccgtctgtt tcttcctccc cctctactac 480
atccccggct tccaagccgc gcccagccga gccggctacc aattcctcat ggtcctcatc 540
accgaactct tctcggtaac cctgggccag atgatctccg ccctgacgcc aaacagcttc 600
atcgcctcgc agatcaaccc gcccatcgtc atcatcttct cgctcttctg cggcgtcgcg 660
attctcaggc cccagatgcc cggcttctgg cgcgcctggc tgtaccagct cgaccccttc 720
acccgcctca tcagcgggat ggtcaccaca aaactgcccg gccgc 765

<210> 21720
<211> 408
<212> DNA
<213> A.fumigatus

<400> 21720
tcgcggccct ggcactccgt ggtgaaaagc cttagcaata accagctcat catggtcctc 60
atggaaaact gctccattaa caagatccct gacattttct tcgtagcctt tggtgaagta 120
gagcatagcc ttggcatatc tctcaggggt ctcccgcagg ccctctctct ctgggtcctc 180
tccaatgcat tcaaatatag ttcttacagc acctgcaagt ttctgaatgc gctcttcagt 240
ttgctcagga gtagattcca gtcgtgctct cgtgccggga cctatccaca gagccaatta 300
gcacaaattc aattagacag taatccaaaa gcgaagacca cgacagtgac ttacaaggcc 360
aactcagccc gtcaaagtca attggaggat tcgcagtgta cgggctaa 408

<210> 21721
<211> 306
<212> DNA
<213> A.fumigatus

<400> 21721
ttggctctgt ggataggtcc cggcacgaga gcacgactgg aatctactcc tgagcaaact 60
gaagagcgca ttcagaaact tgcaggtgct gtaagaacta tatttgaatg cattggagag 120
gacccagaga gagagggcct gcgggagacc cctgagagat atgccaaggc tatgctctac 180
ttcaccaaag gctacgaaga aaatgtcagg gatcttgtta atggagcagt tttccatgag 240
gaccatgatg agctggttat tgctaaggct tttcaccacg gagtgccagg gccgcgatta 300
tgttga 306

<210> 21722

<211> 543
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (13),(307)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21722
tccgcacttt tgntccgtcc atcgcggcgg ttaagatatc ctggtcatga gtatggtcgg 60
ggcgccgagg cacgcggaga aggcgctgca gcgcggggtg gacattgtct gtgcgcaggg 120
tggggagggt ggcgggcata cgggcgacat cccttctccg tcctcgtgcc ggccgtcgtg 180
gacgtcgcga agcggtataa gagcccgatg acgggtcagc cggcgttggt ggtcgcggcg 240
ggcggaatta acgacggtcg cagcctggcg gcatcgctga tgctgggtgc gtccggggtt 300
tgggtangta cacggttcgt ggcgtccgag gagagtggtg ctagccggat gcacaaggag 360
gctgtggtca gggccctgta cggcgagacg caccggaccc ttgttgtcag cggacggcca 420
ctgcggatgc tgccgaatga ttacatcaag gactgggaaa agcggcccca ggagatcgcc 480
gacttgacgg ccaagggcat cgtcccgatg atgcacgact tggagaacga gaaggaggtc 540
gat 543

<210> 21723
<211> 540
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (228)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21723
cctccaggag gaccaccact gctgtctgct gtaggcgacg ttggaggatt ttaccatgca 60
gatcttgaca aggcaccggc tcaatcgttc cataacccaa catacggcac taccaatggc 120
attgataacg cgggtaacaa accatccaac cttgttcgct cgggagccag cgacacgctt 180
cctaccattg caatgtttac ggactttggc aagacctggt cggcaaanta cgcagcctcg 240
tccaccacac ataccgggca ggttgcgctc tctgcggatg ccgataccgt cctgctcatg 300
aactctaatg gtgccatggt atcaaagtac agcagcacat tcagtgccgt ctcgtctcta 360
ccttccggtg cggccatcgc gtctgacaag tccaacaata ccgtcttcta cggcggatcg 420
gctggttcgt tctacgagtc caccgatggt gccacctcgt tcaccaagac tgcatccctt 480
ggctccagca ccgccgtaaa ggccatcagt gtcaacagcc gggataaaag gaaacgcgct 540

<210> 21724
<211> 342
<212> DNA
<213> A.fumigatus

<400> 21724
aggtcggccg taaggcacag ctttcaaata ttaccgctgc gaagacgtac gtgtgatatt 60
cgacccgata tacctactcc gagaataata gggaccctat gtagcgttgc ggacattatc 120
cggtcatgtc ttggacccaa ggccatgtta aagatgctcc tggatcccat gggaggtatc 180
gttctgacga acgatgggca tgctattctg agagagatcg aggtgtcgca ccccgcagcc 240
aagagcatga ttgagctcag tcgcactcag gacgaggaag tcggagacgg aacaacaacc 300
gtcatcatcc taggtattct ctattgtcgg tcattcactt ga 342

<210> 21725

<211> 447
<212> DNA
<213> A.fumigatus

<400> 21725
cactcttcag ctggagaaat tcttgcccag gcccttcctc agctcgaacg caacatccac 60
cccgtcgtta tcattcaggc tttcaagcgt gctcttgccg acgctcttgc tatcgtggag 120
gaagtctcgc tacccgtgga tattgacgat gacaaggcga tgtacacgtt gatccaatcg 180
tccatcggga ccaagtttgt ctcccggtgg tcggagctga tgtgcagcct tgcgttgaaa 240
gcggttcgga ctgtttcttt cgatgctggt ggtggaaagc gggaagtcga catcaaacgt 300
tatgctcgta ttgaaaagat tcctggtggt cagattgaag acagcgaggt tattgacggt 360
gtgatgatca acaaggacat tactcaccct aagatgcgga gacggatact cttcaccacg 420
aggcgccagg agccgcgctt aggttca 447

<210> 21726
<211> 195
<212> DNA
<213> A.fumigatus

<400> 21726
agcaacaatt tatcccgcca tgtcaaagcg agtacgtcta acgctttgca acgcactttt 60
tttccaagta atcaatattc actgtatact atcgagccgt ttatgctcct attcaatttt 120
gctgaacttc aatcctactc cagtgaatgg ctcttgtccc tgcgctctcg tggaacccct 180
cccaacgatc tctaa 195

<210> 21727
<211> 444
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (430)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21727
cagcgcaggt tgcatcgctg ggggccttca tggcgcttgc cctcgattat ctgtggagac 60
tgcgcagaca ccgacagtca cagtcctgcg tgttctccgt cggtggctgt tggcaatgga 120
gggggtttct ctggggttag ttccacaccc ataaacaatc acctgcaagg gacagtccga 180
actgagagta catcaggcat tggaattgca actttcctca tcttcattcg atcgatcttt 240
cgtacggccg aattgaacgg cgggttcagc agtgaccttg ccaatgacga ggttgcgttc 300
atgatcctcg agggtgcgag catggtcatc gcctgtggcg gtatgagtat attccacccg 360
ggaatgagtc tgaaagggca ttggaaggac ccgactcctt ctactcactg gggtttggac 420
aggctgccgn gcattagcga ataa 444

<210> 21728
<211> 516
<212> DNA
<213> A.fumigatus

<400> 21728
agtcgtcggg taccggcgaa cgcctcatgt ttcaatcaaa tccgttcaat ttttcggcat 60
tcttccatta agtaccgttg ctcaagtcca atcaacctgg cccgcgttga tgttaatgga 120
gcaaggtact tcatctgtct taccatcgga cccgctttta tcaccgcagc gatctacctc 180
tgttttggac gggtcatcat tttatacggc gaaggcttct ccagaattaa atctcgaaca 240
tatgccatta tttttgtgac atgcgacctt atatgcctca ttctgcaggc cgcaggtgga 300

gctgtgattg ccactgcagg ccgggaccaa gacggcctcc gccataccgg gatcaatatc 360
atgatcacag ggctagcagc gcaggttgca tcgctggggg ccttcatggc gcttgccctc 420
gattatctgt ggagactgcg cagacaccga cagtcacagt cctgcgtgtt ctccgtcggt 480
ggctgttggc aatggagggg gtttctctgg ggttag 516

<210> 21729
<211> 216
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (209)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21729
tccggccaga ccggtcttgc ctcgccgccc cacctgtttt tcaaagccga gaaacacgag 60
atcaccaagg caatggacag cacggattct tcctgggaaa tgccgttcgt gattaacatt 120
tggtcggtgc agctgtcctg gggtgattgc cgagctgcac cgccattttc ggtctggtcg 180
tggcgcggta aaaatagagg cctcatccna cggtag 216

<210> 21730
<211> 459
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (8)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21730
agcgatgntc cttcctgccg actggtgaaa attgctcctc ggtgtcccat tgtaattcaa 60
ttgctaatga cagccgcagg cgccctgaat atgtcccgcg cgctcggaga cctccagtac 120
aaagcacccc taatcaacgc ggatgagccc ttctctctcg agcaggagat tgccgggttc 180
aaccctgaca aggaacaggg ggatctcctg tctaaccgac cggcgatctc gcggattgag 240
ctcaaggagg acaggaagta catcgttatt cttacgacgg atggggtgac ggacgaaatg 300
gaggatcgga gaatccttga tcaggtcgtg gcgcattgga attatgggac tcgggcggaa 360
ggtgtcgcgg gtaaaatcac gacggaggcg acgggggcc cgatgagtga taatgcaact 420
tgtatatgtg cttttattta tgggagacag gcagcatga 459

<210> 21731
<211> 237
<212> DNA
<213> A.fumigatus

<400> 21731
tgcaacttgt atatgtgctt ttatttatgg gagacaggca gcatgattgg gcttatcatg 60
gcgtggcgta tcataccata tgatgtgttc agcagctccc agactatgga catgggatcc 120
gaatataccc cggctagtta ttgtacttcc tctggttatc catatatcaa attgtttttg 180
cccatgaaaa gcatgcaaca atcatatgtt tgctatcagc tccgctctgg cgaataa 237

<210> 21732
<211> 198
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (32),(36),(37)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21732
atacattttt tggcgcctgg cttcttattg anagannact ggatcgtcct cccaaaagtg 60
gacgattctt cggacctgag cttggaggat gacagagcct actcggcccc ggtcaaaacg 120
ggttccggtc ccgcaggatc ggcccgggtg gtggagcata caagcctggg cggcgctatc 180
atgaaagcca gtgactga 198

<210> 21733
<211> 624
<212> DNA
<213> A.fumigatus

<400> 21733
gtttcacccc aattaattat ttcacccaat ggcacaagtg gaataaattt ccgcggcaag 60
atggcccatc atcaacaggg gaatttggga ggggggttct ctctattcac tggtaactgt 120
tctggggccg aagcttgtat tgggattgga gcagcatgtg ctcgtcaatg gccccagaag 180
ggattccatc tcgccttgac ttactccact aacctcgagg caaggaatat gctcgtaaaa 240
gagcttagat ccagtcaacc ggcagcagat ggcgccgatg cacttcgcat ttcgatccac 300
caggttgacg ttgcatctgc cgaccagatc caaaccatgt tcgcacagat tgacaaggag 360
cacggacagc gaccggacat tcttgtctcc aacgcaggct acggcaagcg catcccacag 420
gtctgggata tctcactgga ggcattcgac tataccatca acgtgaatct gcgggcctct 480
ttcatcctgg tgaagggggt tgtcgaccat atgagggagc agcgctgggg tcggatcgtc 540
tttatgtcgt caatcgctgg gtatggcggt ggaatcaacg gatgccgtaa gtgcatgaac 600
ctttatcctc ggccagaggc atga 624

<210> 21734
<211> 186
<212> DNA
<213> A.fumigatus

<400> 21734
ttagctgacg cttatcaaat agattacgcc gcttcaaaag gcgggatgac tggcatgatg 60
aagaatctcg cgactcgcct ggctgaatat aatatcagcg tcaatgacgt ggcgccggcc 120
atgatcggcg acactggcat gattcccagc gcgccagtct tcaccacgag cagccgcacc 180
gcataa 186

<210> 21735
<211> 219
<212> DNA
<213> A.fumigatus

<400> 21735
catccaacga acatgcagcg tatagttgca catccccaat gctacctaag ctttggcgat 60
ctcttccatt ttctcagcca ctcggctcct aaccctgatt tcttcctgac tcacctcgtg 120
ggctatcaaa tcaagtatct agagcactgc ccactgcatc ccggtccagg catcctggag 180
gggcagatga cctacaaaat tatcgacagt agactttga 219

<210> 21736
<211> 504
<212> DNA
<213> A.fumigatus

<400> 21736
ctcttccaca gcactcccct gcaccacaac tacaccgtct ccctcgtcaa tcacgtaata 60
cagtacgagc aatacggcca cccggtgctc aagaacatca tccacccatc ccgcaccctc 120
gtcgccatct ggattggcat caacgacatc aacgactccg ccaaatacgc cgtacacttc 180
cctacactct acaaccgcat gatgaccacg ctgttcacct ctgtccacac tctctacaac 240
ctaggctacc gctcctacct cttcatgaac cttccccctc tggaccgaac ccctgccaac 300
caagcacgga gcaatccctc cccgaacgca acccagataa cctggttcaa caatgcacta 360
tcccaacatg caatgagctt tgcaagaacc caccccaacg ccaccggcca agtcttcgac 420
gcccatacag cgctgagtaa ccggaatgga catccggcgc agtatggaat ccctcaacac 480
gaacgaattt ctgcgcaggt gtaa 504

<210> 21737
<211> 750
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (3)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21737
gtnttcttcg cgggcgaata taaagtcccg ctgtatttgc aatccgtcaa ggaagcatcg 60
cccatgcggt atggtgtctt cgtcctaccc gtggttctct ccgaagcttt cgcgggcatc 120
atcaccggag ccctcatcca ccgcacgggc cgctatcgcg agctgatctg gctgggaatg 180
acattactga ccatcggcaa tggcctatac atccatttgg atgcatactc atccttaggg 240
cgtataatcg gataccaatt cctcagcggc atcggcgcag gattcctctt cgaacccccc 300
atcatcgcga tccaggcgat ggtctctcag gacgaaaccg ccactgcaac cgctaccgtc 360
ggcttcatcc ggaacctggc gacatcggcg tccatcgtca tcggcggcgt ggtcttccag 420
aactccatgc gccggatgaa acccaccctg ctcgccgcgg ggatgtccga aacattgacg 480
gaacagatgt ccggagactc ggcagctgcg aatattgaaa tgatcaagac catcgaggat 540
gcaacccagc tgctcgcggt caaggaggcg tttgcgagca gtttgaggaa catgtggatc 600
ctgtatacat gcatgtctgc gcttggaatt gttgcgggcg tgtttattct caagacccgg 660
ctgaacaagg agcatgtggc aacgaggacc gggctgatat tcgtcccacg aggcgacaaa 720
atccgcgcta tgtataggga cccccaaaaa 750

<210> 21738
<211> 648
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (16),(19),(25),(38),(106)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21738
tcctgccaca gccagnttnt agagnttctc cttgaatnta atgaaagttt gcacatccca 60
gcggatcagc gattgaatct cagtgcgccg ggagactcat cctacntgcc cacgcctgaa 120
agatcgccga tgtacgtcga caccgcgacg gcaaaatcca tcttgaaaga tgcgaaagca 180
cagatggctg ctggcagcat gacactcgaa gcatatcgca ctctgggaga cgatattaaa 240
cgaggcaacg catttgcgcc gcgcatgcat tacactgccc tccaaaaggt gcctcatacg 300
gcggtgccgc ccctaagaga ggattcttct acaaatatca gcctggagga gaagcttgga 360
tatcttactc cggagcacga aaccgagtat tacttgagca tggatgcaaa gctcggcgat 420
gaagcagctg ctctcgagct tagtcgcatt cccgaaaagc catcctttgc tgagcgggag 480

agggagttgg cgctacgaaa cccagtctct gtctacaact ggctccggcg caatcaaccg 540
catattttcc tgcaggatca tgagaacgcg tccgagaagt caggctctcg accaactaat 600
gcgcgggcgt ccaaaagatc ttcaccacgg ggctggaagt tccgcgtc 648

<210> 21739
<211> 426
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (408)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21739
cgcatcgtct ttgccaacag cttcgaatcg gtgaagcagc tgtggatcaa agaccagtcc 60
gccctcatct cgcggcccac cttccacacc ttccatagcg tcgtgtccag ctcccagggt 120
tttaccattg gcacctcgcc ctgggatgag tcctgcaagc gacgccgaaa ggccgcggcc 180
acggcgctga atcgccccgc cgtgcagtcg tacatgccca tcatcgacct cgagtccacc 240
gccagtatca aggagctgct caaggactgc cgcaacggcg ccgtggacat caatcccacg 300
gcctacttcc agcggttcgc gctcaatacg agcctcaccc tcaactatgg gttccgcatt 360
gaaggcaacg tcgatgacgc cctcctgcgc gagactgtcg atgtcggnct cttagccagc 420
gggtag 426

<210> 21740
<211> 372
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (21),(38),(42),(59)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21740
aggcggtcgc atcgggtgct ntattcccaa ctcatacnga tnatcattgc ctcattcgnt 60
cggacggacc tgatcgacag aagaaattat ttcatggccc agaccattgt ccttgccgtc 120
ttcgcggcgg tgtacttgct catccgctac ttgaatcgca cggatatccc caagatcaaa 180
ggcctgcctg agattcccgg agtgcctatc tttggcaatc tgctacagct ggggaccgaa 240
catgccaccg tcgccgccag atgggccaaa aagtacggtc cggtgttcca ggtgcgcatg 300
gggaacaagg tgaggaactt cgtccctgga ctgggcctct cgtgccacca tttgcggggt 360
gggggtttct ga 372

<210> 21741
<211> 249
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (59),(67),(70)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21741
tttgctgata tgtttggact caacgttttg agagcagaag aaaacttttc ctttggccnt 60
gcatccnaan ctcaaaagtt gaaatccact ttgaatgaaa ctaacctgtt ctcggcagaa 120

gggaaccctg ttaatgtccc aagttcaggt tactgttcca ccaaccgaat aaatccttac 180
tggaagaagt tccgtttttc ccgaaaacag gaacctgaaa gctttgaacc tttgccgaaa 240
ctggtttga 249

<210> 21742
<211> 519
<212> DNA
<213> A.fumigatus

<400> 21742
catgaggatg tggtcgagag gttaaagcgt gaggccagca accttgcgcg tctaagacat 60
ccatcaatcc tccaggtatt agaacctgtg gaagagacgc gtggcggtgg cctcatgttt 120
gtgaccgaac caattaccac atccctggcc agtttgttac gggaaaaaga tgagcaagag 180
agaacgtcaa ggatcggctc aagctcaagc cattttatgg tagaagaggc ggacggaact 240
cgacggcgga gagacctcga gattgatgaa ctagaaatac aaaaaggact cttacaggta 300
gctaagggtc tggagtttct gcatgagtct gcaggccttg tccatggaaa cttgaatcct 360
gaagctatct acataaactc caagtccgac tggaaaatct ccggggctcgg gtttgcagga 420
cctccaaact ctacggagtc acggtcatct cttccgccgt tggctctgtc agaagttctc 480
taccatgatc cacgacttcc ccagtggagc cccagttga 519

<210> 21743
<211> 447
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (21)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21743
tgtccggccc ggctggttaa naatgcgccg atttcgcgct ggcgcgtgta caagaacccg 60
aacaaactaa acgaatcgat ggatcatgtt cgcaagacgc tcaagtggaa ggcgttcttg 120
atcggtaggt ttctctttcc cggtatctca ccccgctaca tatatctaac ggctaaaggg 180
ctcaccgtcg cgacattagc gatatttgtc cggtccgtct tccgggtggc cgaactgcaa 240
gagggtttcg acggtccctt ggcaaatgac gaagtgacct tcatgatcct cgaggggccc 300
atgatggcca tggctaccct ttgtttgact gtcttgcacc caggatactg ctttggtggc 360
tactgggatc agaccagctg gaggtccatc aagcaatcca gtcaattgag cttgatggaa 420
ctcaaggcac agaactcacg ggcctga 447

<210> 21744
<211> 483
<212> DNA
<213> A.fumigatus

<400> 21744
cgctgtcctg gtcgctcggc tggtgaagac ggtgccggaa atgccactca ctctgatcta 60
ttcactacgg ctagcgcatc acatataaga gttgtcttga aggatgacac attaggcctg 120
ggagctcggc caaagaggga tcttttggat ggacccactg gcctggacgc attcaaagga 180
ttactcggcc ggctcaatgg taaatctgat acacaacttg aagcggagca acaaaagcgg 240
gatgatgcta aattggctcg atatgctgca acgaagtggc agactgtcag atttataagt 300
ggcggacttc ttgtgcagga gaaggataat gctacggctt ccccggcttc tcaggatctt 360
cgcgttgact tcccgcggga aacatcttcc aacgaacatg aaaatggcat gtttaagact 420
gaacccatgg atagctactc acatcaggaa ggctgtgcca cagccaggga ggaggagggc 480
tag 483

<210> 21745
<211> 213
<212> DNA
<213> A.fumigatus

<400> 21745
ggttggcgtt ccttcgatgt tgatggaccg ttcgaggcta gcagagatgt acctttatcg 60
tttgcgaccg ctacaaggac ttttgtagag gttctgtccg ctgtttccgt gtcgagtctg 120
tcacagtcac caatttttcct tttcttcggt atcttctctt gtttttttttc gcgggatttc 180
ctgggactca tgtccatctc ctttcccttc tag 213

<210> 21746
<211> 324
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (35),(84),(324)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21746
aaaatggttc cgagaagttt ccagtttgcc ggtantaagg acggacgtgg tgtgaccgtg 60
cagcgagcat gtgtaagccg gttntttgcc gaccggttcg caaagctcaa ctctgccctt 120
cgcaactcgg ccgtgggaga ctacgagtat tgccgccatg gcctcgagct gggtgatttg 180
aagggtaatg agttcgtcat cactctgcgg gaatgcatta ttcctggtgt ggacctccaa 240
aatcccgaag atgccgtcgc cacggccaag gagtttgtgg gctctgcatt gcgaaacctc 300
cgtgagcgcg gttacttcaa ttan 324

<210> 21747
<211> 444
<212> DNA
<213> A.fumigatus

<400> 21747
tatggcctgc aacgcttcgg aaccttcgca acccgcacgg atatggtcgg tgtgaagatg 60
ctccagggtg acttcaaggg tgcctgtgat gcaatcctgc attacagtcc tcatatcctt 120
gccgcagccc aggaaggcaa ctcgagctcc atgattagct cagatgacaa ggctcgtgcg 180
gaagcaatcc acatcttcca aactaccggc aaagtcagcg aggccgtgga gaaactaccc 240
cggaaattct cagcagaaaa caacctgatc cgccatctgg gccgctccca gaacgattat 300
ctcggagctt tgcaaaccat tccccgaaat ctacgtctga tgtacgtgca cgcttaccag 360
tcacttgtct ggaacttcgc tgtcggcgag cgctggcggc tctatgtctc accgccaggc 420
ggcaaggata ggcgcttagg tata 444

<210> 21748
<211> 240
<212> DNA
<213> A.fumigatus

<400> 21748
gaacgggatg ggccaggtta tttctattcc aggtcaatcc cctctatcag ttatttctcg 60
agtgttgtca tcatcggagt cggggcggcc ggaccgaggc aagtctcaag tccgcaaaag 120
gaaaacgcag aggttatgac gttgatcgct gcattcaaca ctcctccaaa gaaacaactg 180
ggtttccgaa cggatactgc cgatcccgcc tggagagacg atgatgataa tgatgattaa 240

<210> 21749

<211> 447
<212> DNA
<213> A.fumigatus

<400> 21749
cacactgctc tcatcatgac cttatctggc tgtgtggtcg tcgttgccgg tgcatccaag 60
ggcattggca gagccatcgt cctgcgtgcg gccgccgacg gagccagcgt ggtcatcaac 120
tacatgtccg acgtcaaggg cgccaacgcc ctggtcgctc agattggaag tgatcgtgcc 180
attgccgtgc gggcggacat ctccaagacc gcggaggttg acgaacttat tgaagccaca 240
gtagctcggt tcgggcggat cgacgtcctg gtccccaacg cggcctatgt gcccgagagc 300
aacctgcgga gtgtcactga ggaggacttt gaccgcgcct ttgctgtcaa cgtcaaaggg 360
ccttgtttcc ttgcgaaggc tggtgcaccc cgcataagtc tagagtttgg aacccatgct 420
gaaattctac cctcctcgca gatagcc 447

<210> 21750
<211> 837
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222>
(3),(4),(6),(7),(8),(9),(35),(36),(37),(38),(39),(40),(41),(48),(50),(51),(52),
(54),(55),(56),(59),(60),(61),(62),(63),(64),(66),(68),(70),(72),(80),(191),(23
9),(611)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21750
ttnnannnna aaaaaaaaaa aaaaaaaaaa aaaannnnnn naaaaaanan nnannntann 60
nnnnananan tntttctctn tctctctctc tctctccctc tctccaccgt aagggtacgc 120
cagttcacta ttggatgcgt cttttccagt gacgactacg gccatcgatg tttggggcgt 180
atcccttcta ngcagcgcca gctccagttt gacaggtgcc cccgttccca tcattttgna 240
caagttttgt gcagccaccc ccctttaccg ttaccgttac cccgtaagtc gaaagccttg 300
catacttttg agaggaccca agttcctatt taccaacaca actcatttct cttcagcgtc 360
ataagcggca ccacctcgat catcggcgcc accgagacca cgacactttc cttggacccc 420
atcatctggg gctcctcgac ctactcgcct ccggttgaga cgaggagtct gggtggaagt 480
accaccgtca ttggcgggac gaccttgccc ccgacaccca tcactgtcac acccaacccg 540
caccccacga ccacgccgga tcctgggtcc acggaccctg cgctcaattc caagaaaccc 600
tcctggacac ntggcaagcc accgacccct actgccgaac cgggctgtcc tgggtgcggc 660
actcgttgtg agtcgttgtg ttttctttgt tgtcttggac acgtgaaacg accttggcga 720
ctaacacaac tttcacccca tctaggtctc ctgttttgca atcccgactg ccccttctgt 780
cccccggggc atttgtcctc tcttagccgc cggcatggaa atctaactcc ccccccc 837

<210> 21751
<211> 252
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (79),(127)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21751
gggtacgcca gttcactatt ggatgcgtct tttccagtga cgactacggc catcgatgtt 60
tggggcgtat cccttctang cagcgccagc tccagtttga caggtgcccc cgttcccatc 120

attttgnaca agttttgtgc agccaccccc ctttaccgtt accgttaccc cgtaagtcga 180
aagccttgca tacttttgag aggacccaag ttcctattta ccaacacaac tcatttctct 240
tcagcgtcat aa 252

<210> 21752
<211> 426
<212> DNA
<213> A.fumigatus

<400> 21752
catctcgttg aatacataca gcttgatcaa atgcgcatgg agaagcagaa catcccctca 60
gcagcacgtt caaaagtcaa cattcgtttt cggaactatg ccaccgacgt tgacgaagcc 120
aagcggaagc tcaaatcgct ctccgacgat cgcaaggcgc tctttggcga ccgctacacg 180
gacgaaccac aagatgagca cctggagcag aggcagcaac ttctttccgg caccgagcgt 240
ttggaacgga gttctgcccg tctacaggag agccagcgga ttgcactcga aacggaggac 300
atcggacgca atacattagc cgatctctac cagcaacggc agactataga gcatgcacga 360
gcgggtctgc agcagagtga aggatatgtt gatcttcacc acacggccga aggaccatgc 420
aagcgt 426

<210> 21753
<211> 183
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (37),(42),(79)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21753
gctgttaggt gtcaaacagt aatttttcag gagatancct anctgtgttt ctccgaattg 60
tatctatcca agctcgacna aaaacaaaag gcctttcact tccttggtaa acacattcta 120
ttctccagtg agcctcgcaa aacccccaaa aggatgaagg gatttttcag tgaacaagaa 180
ttc 183

<210> 21754
<211> 510
<212> DNA
<213> A.fumigatus

<400> 21754
gggggagcgg atccttccac cccgtcgtgt aagaactcgc ctcatgttca catgcttgac 60
atcgaatgct tcacttatct caatcgagct ctcgagtcta gcatctcccc tatcgtcatt 120
ctcgcatcca accggggtca cactgttatt cgtggcacag atgatatcac tgctgcgcat 180
ggaatccccc cagatctgct tgctcgtctc ctcattatcc caactcatcc ttacacccca 240
gacgagatca agaccatcat ccgcttgcgc gctaagacgg aaggcctcaa tatcaccgat 300
cctgctctcg acaaggtcgc cgaccatggc agcaaggtca gcttgcggta tgctctacaa 360
ctgctcaccc ctgctagcat cctcgcgcgc gtgaatggac gaccaggagg cattgaggag 420
gcggatattg cagagtgcga ggatctcttc cttgatgcga agagaagcgc cgccatcgtt 480
agccaggaca gtgagaagtt cctttcatga 510

<210> 21755
<211> 414
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (399),(407),(408)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21755
ggcaagactc ggcgctggat cgagcacaac gcaaatgctg cccttcttac gaggaataat 60
gacggcaagt ttggcacgtg gtggggcaga cgatatcgcg tcctggatga tgctattatc 120
gatcaaagtc ctttgcctcc tggcgcggtg gattataaga attacgacaa cagaggcgat 180
ggatggtcta aggagcaaac tggtgcgctg cgtggccgtg cgtcctggac tgctagcagc 240
gcagggacgc cagagtcgtc ggatcaacga acgggatcga gagagacctg gatttggacg 300
aacagaccga cgttggccga ggtcaggttg atggactata acgaccgagg acgaggacgt 360
actgttgaaa cacagtcagg cggcatcgct gtgttgcgnc ccggggnncc cccc 414

<210> 21756
<211> 429
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (417),(418),(420)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21756
ccgcgggatc ctggcagcct cgtggtgaag actgtggacg atgatgtgaa gtctgctctt 60
gaaggactac aggatggtgg gctggtgcaa ctggtacgtt ccctggagtg tggagctgag 120
ttcggaagct tgaaagattt tattatctca ttgattgtta actacgagtt ctgcgaaata 180
caggccatcg acatcccgtc ggaaacgttc aagctcgctg ctgcggagtc cggcattgac 240
gcgaactccg tccagacgca catctcttca tcctcgcctc ggtacacttt ctaccactat 300
cctgaaaccg ataccgtttt cttcatttat acctgcccgt cgggctcgtc gatcaaggag 360
cgcatgcttt atgcaagctc tcggatgtat gcccttcgtg tagccgatga acaaaannngn 420
ggggggggga 429

<210> 21757
<211> 426
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21757
nttttaaaag cgaacaatac aagcttcacc atgtcagttt ggaacccaga taacattcgt 60
gacgttgccg agtccgtcgg catcgtcaat ctcagcaacg acgtgaccga gaacctcgcg 120
cgtgacgtcg aataccgcat cgcgcaggtc ctcgaagagg ctctcaagtt catgcgacac 180
agtcgccgga cgctgcttac tacgcaggat gttgcgcagg cgctgcgggt tctggacgtg 240
gagccactgt atggatatga gaccacacgg ccgttgcgat tcggagaggc gtcgctgggg 300
cccgggcagc cgttgtttta cgtcgaggac gaggaggtag attttgagaa attgattaat 360
gcgccattgc ccaaggtgcc gagggagatt tcttttactg gttggtgcta cagctgtcgt 420
ttttag 426

<210> 21758
<211> 309

<212> DNA
<213> A.fumigatus

<400> 21758
ttaatgcgcc attgcccaag gtgccgaggg agatttcttt tactggttgg tgctacagct 60
gtcgttttta ggtctgtgtt ttgtgctgac tggttttatt gtacagctca ttggttggcc 120
gttgaaggtg tgcagccgtc cattccgcag aatcctaccg ctgccgactc gaggaacctc 180
gaattgaccg ccaaggggcc caatgccaac tcgacgttgg cggcgatgag cggcactggg 240
gacgtggctg ttaacccgct ggttagtctt caccacagag gccgcaaggt ccgcagcaat 300
gcgtttagg 309

<210> 21759
<211> 258
<212> DNA
<213> A.fumigatus

<400> 21759
ataaacagat cttttctaat acagcgtctt aaggtcggca ccgagctcat catccgtctc 60
aagtggggcc agacagagta caagggcaag ctggaaagca tcgattcgta catgaacgtc 120
cttctgaggg acacggagga gttcatcgat ggaaagaaca cgggtacact tggtcttgtg 180
ctaattcggt atgtttcgga ttgcggcgtc ccaatcactt tcgctgaaca tgtcctaact 240
gatacgaacc aggtgtaa 258

<210> 21760
<211> 501
<212> DNA
<213> A.fumigatus

<400> 21760
aaacagcatc tgtctgagcc ggttgcacca caactccgcg aacgaccagt ttctcgagta 60
cctgagctct catattcgtc aatacggtct gtagagacgc ttcctgtggg agccacttca 120
cccgtagcag tcgtttccgg tctgcagatt gccgatgaga atatgcaccc ggcgcacttg 180
agggatgctg tgcaagacaa gcggcctact gactccatgt cgatcgctaa ggatatccca 240
agcgacgatg ctgctgctga cgcagaagac ctaaagtcag gtgccgccct acctttgggt 300
actatctccg gcaacgccgt cacacgcggc aggagacggc agtccaacca ggctgattcc 360
ggtgctcaga caatattgtc gtcgaagcaa attgatcaga ttctgatgga acgtgtctcg 420
tcgcgcccat tgtctcctcc tgatagtgac aaagccaagg aagctggacc gtcgcccttt 480
gcaacgccaa aggcgcgtcc g 501

<210> 21761
<211> 543
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (23),(511)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21761
ccttcggtct cgtgtgccat ccntagccca tccccagtca atacaccacc tcatcatggc 60
tcggatatcg tcagtcctaa tactgccact cgtggtgaaa tgtaccccca gcaacctcaa 120
gctcaaaacc ccgaccgtgc tgcccacctg ctgaacctac tcaagtttaa tcagggcgct 180
gcagctgccc cgtctcaaca gcagcctact gctgttggaa tggagcagcc aaggtctcct 240
cttactcagg aaactggctt cgagggtgtg tttaggtctc acacgaggaa catctcggcg 300
tctgatctgg ttgcttccct gttcggtcga caggctcaag ctccaccttc ggctgcaacc 360

ccacctatga tgcctaatcc ttcgcagttc gctcagcctg gtcattctgg ggtcggcgag 420
agttcactct cggcagcccc tactgctgaa catacgcagg agatgctgct tcgtctgctg 480
aaccgaccat ccccgagcca ggacgttcct nttgcccacg aggcggccag atccgcgcta 540
ggt 543

<210> 21762
<211> 327
<212> DNA
<213> A.fumigatus

<400> 21762
gaaaaactag cggcagtaga ccgctgcaag cgagaactgc tgcaggtgta cgacgtactt 60
gaaatccgtc tttcagggag atatggtggc ggcacacggg agtatctggc tgggcagggt 120
cagggcaaat acagcattgc tgatatcaat gcctgggcct gggtgcgaaa tattcgacgc 180
attggactct cggagaatga gttggctccg ttacctcatt tacaacagtg ggtggatcgc 240
attgcggcgc gaccagctgt ggagcgaggt ttgggggagt ggtatgatga ggatgtgcat 300
ccagatttat tgcttgagac tgcgtga 327

<210> 21763
<211> 402
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (385),(391),(392),(393),(395),(396),(397)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21763
agacaggagg acaaacaaga gaaggtcgag gctccgaagc aggatctagg agcgagtcta 60
ttcgggacta cctccctcac tagcagtgtc tccgcgaacc cgaatccttt ctcatcgaat 120
acatcttcag ggtttcccag taacccattt gcggctccta ctgcagcacc gacgccagct 180
aaagagacct caactacaac acaatcaact accactcttt ccgagacctt cgccgacaag 240
gtcagagtct cctctccacc cccagaaacc atgccaccgg aagccgctgg acccgctgcc 300
ccttggcctg agaagtccgc cttcccagct ccgtatccgc agttttactt ggacgccgaa 360
tatgagactc tttctcgacc ccccnactat nnncnnnccc cc 402

<210> 21764
<211> 228
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (192),(195),(199)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21764
tttatgggaa taatatggct taagctgtcg caggatagct ccggcaccat cgatcgtgac 60
gagttccttt ctctcccgca agtgtcctca aacccgctcg caacgaggta cgtgagacaa 120
gcgatagatg gtggcaccgt ggaggaacac caggacgtcg gagataagct taccgttgca 180
gagcaggaca gngtntttnc ctcagacgac ggaccatata gacgtaag 228

<210> 21765
<211> 627
<212> DNA

<213> A.fumigatus

<400> 21765
accgactcca gctggagctg gcgcatcccc agcgtcctgc aatgcgtctt ctcgctcatc 60
caggccgtgc tcagcctgct cgccccggag tccccccgct ggctcatcta ccacggccgc 120
cgcgaggaag cgctcgccat gctggccaaa taccacgccg acggggacac ctcgtcccgc 180
ctcgtccgct tcgaaatggc cgaaatcacc gccacgctcg aaatggagaa gatccagcgc 240
gcctcccgct ggacggagtg ggtcgcgacc cggggcaacc ggcaccgcct gtttttggcg 300
ctctacatcc ccgccatgct gcagtgggcc ggcaacgggc tgacctcgta ctacctctcc 360
aaggtcctca acaccatcaa cgtgacggac ccgcacgtcc agctcatcat caacgcctgc 420
ctctccgtct ggtcgttcct gaccgccgcc ttcttcgcga cgctggtcga ccgcgccggt 480
cgccgccggc tcttcctcgg cggcatgggc ggcatgggcg tctcctacgt catctggacg 540
gtctgctcgg cgctgaacga ggaacaccac ttccaggata agggctatgg tcttcaccgc 600
ggggctggaa ggaccgcgcc aacgggg 627

<210> 21766
<211> 456
<212> DNA
<213> A.fumigatus

<400> 21766
tcccgaggtg aagagacagt ccataaccag gagcccggtg aactgccaag ccacgacgca 60
cccgctccag acatggaccc cgaggatcag ggatggatac gcgagttcgc gaagttcaag 120
aaggacacca aagtgaaggc cgcaccaacg gcgccgccga gtatcgtccc ttcggagcac 180
cgcagcactc tcgcttccac tatgttcacc gtcggaggca ccccgattcg cagaaagaag 240
cgcaagggcg cgctcaccaa cccctccgcg tactctatga cctcgtctgc tctggcccgt 300
accgaaggcc accgactgct tgacgaccga ttcgacacga tagaggccct ctatgccctc 360
gacgaggacg gcgaggagta tgacgataac atgtccatgg tcagtggtat gaccggcatg 420
actggcatct ctaccgcttc atcgcaagca cccagc 456

<210> 21767
<211> 390
<212> DNA
<213> A.fumigatus

<400> 21767
actgccagag tacagaagag ggacctattc aacgcatttc gtgctcactc ttccgcattc 60
gatggcacac ctcttggcca gcacctgcgc cgatcctctc cgcctccgga ttttctagct 120
caaattatgc ctgcgctcgc cgaggtcgtt aatcgtgcct cagacgctgt cggcgctctg 180
aattcagccg cggaagaact ttcaagcatg gggttttccg gaactaccgt gaacgacatc 240
atttccgaga tgcgccatcg cttccgttcg gcgcgtctcg gtctaaagcg cgcactgcct 300
ggagaaacag ccaatgtggg cctcgaagat ggaagtgcca cattggccgc gctggtcaat 360
cgggtaaagc tgttggtaaa agacctataa 390

<210> 21768
<211> 387
<212> DNA
<213> A.fumigatus

<400> 21768
attcgagaat tacaagagat ctgtgacaga tcttccgacg aggagagtgt gacagatgcc 60
accagtacca atattgggcc catatctaaa ctctcagtag gaattctggg aacgcatcaa 120
tctgcgggtt ccgacacaag cggtagccag tacctacaac gactacaggt tcaagcactg 180
tggcatgtct accgggaaaa tgtggcgccc atgatcgcca tcctgcacac accctcgatc 240
gaggctatgt tacgtgaggg ctatgcaaac aaggactcca tattacaacc tgaacaggaa 300
gctctcattc tggccatatg ctttgccgcc gtggtgagca tgacgccgca gcagtgtctg 360

tccatcctcg gcggtggtca cgatgcc 387

<210> 21769
<211> 222
<212> DNA
<213> A.fumigatus

<400> 21769
tgcgttccca gaattcctac tgagagttta gatatgggcc caatattggt actggtggca 60
tctgtcacac tctcctcgtc ggaagatctg tcacagatct cttgtaattc tcgaatctac 120
cctttatcag ctacacagaa tctgtatgga aacaacacac ataccttatc cccgagactg 180
accgtcttca cctacggagg ccggacggct ccgcatgtac ga 222

<210> 21770
<211> 369
<212> DNA
<213> A.fumigatus

<400> 21770
ctaaacagaa aggaacaaga tagattgatt ggctatgcag tgggacatat tacctctgga 60
ctaccgcgat ggatgtatgt ctttattatt ttcggtgcgg tgtccgtcgc gacagggatt 120
atctcgctac ttctacttcc tgatcttccg tccactgcac gattcctcaa ccccagggag 180
cgagccatcg ccgtcgatcg cgtctccagg aaccagcaag gcgtcaaaaa tcatcacttc 240
aagtgggagc aggtctggca ggccgcgcgg gatcccaaaa catggcttct ctttgtgatg 300
gcggttgggg cgcaggtgcc caactctgcg ttaacaagtg tatgctttac ttccatgtta 360
cattgctga 369

<210> 21771
<211> 219
<212> DNA
<213> A.fumigatus

<400> 21771
aggtggatct tccaggcgcc gtgggtgaag acggctggcg agctgggctg ctctgccggc 60
gacgataaat gtctctgctc ccaagccaac tacggatatg gtatccgtga ttgcactacc 120
gaggcctgcc ctgacgacga tgccatcgct gtcctctcca gtgccctttc ctcttgccct 180
agtaagcact cccattccgc gctgccccaa tgtgattga 219

<210> 21772
<211> 285
<212> DNA
<213> A.fumigatus

<400> 21772
ttgcaatcgt taggtgattc tgcagctgtc actgccacag gagctggtgg ctctagctcc 60
ggctccggct ccggctccga ctccggctct ggctctggct ctggttctgg ctcgggctct 120
ggttctggct ctggctctgg ctctagctcc ggctctggtt ctggctcggg ctccggttct 180
ggctctggtt ctggctccaa ctccggctct ggctctgcct cttccaccgc tactggcacc 240
gctactggca gcgagaacag cacgactggt ggtgctggtg ctggt 285

<210> 21773
<211> 426
<212> DNA
<213> A.fumigatus

<400> 21773

ccagcaccag caccaccagt cgtgctgttc tcgctgccag tagcggtgcc agtagcggtg 60
gaagaggcag agccagagcc ggagttggag ccagaaccag agccagaacc ggagcccgag 120
ccagaaccag agccggagct agagccagag ccagagccag aaccagagcc cgagccagaa 180
ccagagccag agccagagcc ggagtcggag ccggagccgg agccggagct agagccacca 240
gctcctgtgg cagtgacagc tgcagaatca cctaacgatt gcaatcagca cccagctcaa 300
tcacattggg gcagcgcgga atgggagtgc ttactagggc aagaggaaag ggcactggag 360
aggacagcga tggcatcgtc gtcagggcag gcctcggtag tgcaatcacg gataccatat 420
ccgtag 426

<210> 21774
<211> 306
<212> DNA
<213> A.fumigatus

<400> 21774
tttgaagaaa gaggatgcag acaaggtatg tcccgaatac atattcaagt atatgcacca 60
gaccatgttt ggcaaagagc taaccattat cagcgccaac ttcgcgatct tggaatcatg 120
gttgtgcaag atgctcgaat atgcagacat ctcgccgccc catctatact gcggaccccc 180
aaattcgtca acgcactggc atacggtcct gcgatagtga acattgagtt catcacggag 240
tgcctcaaga agaatgagct tctgaaccct gacgacttcc ccttggtgga caagtccgcc 300
gaaaag 306

<210> 21775
<211> 657
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222>
(2),(3),(4),(5),(6),(7),(8),(9),(10),(11),(12),(13),(14),(15),(16),(17),(18),(1
9),(20),(21),(22),(23),(24),(25),(26)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21775
tnnnnnnnnn nnnnnnnnnn nnnnnngaag acgtccgcgc ctgaacctcc gtcgaaaaag 60
gctctgcgca aagccaaaaa gaaggttgct gagcctacta ctgatcctac aacgaagcaa 120
gaggctgctg tgcccagcaa aaagcaagaa gacgaggctc ccaaaaaacg ttcagaccac 180
ggcatctgga ttggaaacct ggccttttcg gtgaccaaag atgatctgcg caagtttctc 240
acaagcaatt gcacatttgc ggataccaca atcacccgta tacatctgcc caagggccag 300
gaaaagtttg gaaaggctca gaacaagggt ttcgcttaca tcgatcttgc caacgagaag 360
gctgtgaagg aggcagtagg attgagcgag cagctgctat ctgggcgccg tgtgttgatc 420
aaggatgcga agaactttga cggcagacca aaaaagtcag agtcggattc cgcggcaaca 480
gttacgaaac ctccttcgaa acggatattc gttggcaatc tcggctttga tgttacaaaa 540
gaggttcttg aggaacattt tggacaatgc ggtaccgtcg cacatgtaca tgtggcaacg 600
tttcaagata gtggaaaatg caagggctat gcttgggtgg agttcgagga tcttgct 657

<210> 21776
<211> 201
<212> DNA
<213> A.fumigatus

<400> 21776
agcaagatcc tcgaactcca cccaagcata gcccttgcat tttccactat cttgaaacgt 60
tgccacatgt acatgtgcga cggtaccgca ttgtccaaaa tgttcctcaa gaacctcttt 120
tgtaacatca aagccgagat tgccaacgaa tatccgtttc gaaggaggtt tcgtaactgt 180

tgccgcggaa tccgactctg a 201

<210> 21777
<211> 612
<212> DNA
<213> A.fumigatus

<400> 21777
cgtcaattag tgatccccgt tgcgtctccc actcccagca ccgtcacttc cgaggctgtc 60
accactttgc actcgaccag caccaccacc gtgactgtta ttgccagtgc ctccactccc 120
gcggccagcc cgagcccggc taccgataag gtccctctgc ccactcctgc catcaccaac 180
ttcccctcga ctggtgtcta caccattccc gccaccactg tgaccgtctt cgaaacaacc 240
accgtgtgcg gaaccaccac taccgagctg cctgctggta ctcacaccta cggtggtgtc 300
accactgtgg ttgagaccgc gaccactgtt gtctgccccc acgccaccgt cgagccctct 360
ggcaccaccg tgaccagcgt gatcaagacc accacctatg tctgcccctc tgctggcacc 420
tacaccatcg ctcccaacaa caccaccgtc cctaccagca acgtcattgt ctaccccact 480
cccgccgtca tcactcctgg ttactacact caacctgaag cagactgtga ccgtcacccg 540
caccgactaa ccctatgtct gccccccttca cggcccagga cgagccccac ctctggtccg 600
ggttgccccc ag 612

<210> 21778
<211> 540
<212> DNA
<213> A.fumigatus

<400> 21778
tcggtgcggg tgacggtcac agtctgcttc aggttgagtg tagtaaccag gagtgatgac 60
ggcgggagtg gggtagacaa tgacgttgct ggtagggacg gtggtgttgt tgggagcgat 120
ggtgtaggtg ccagcagagg ggcagacata ggtggtggtc ttgatcacgc tggtcacggt 180
ggtgccagag ggctcgacgg tggcgtaggg gcagacaaca gtggtcgcgg tctcaaccac 240
agtggtgaca ccaccgtagg tgtgagtacc agcaggcagc tcggtagtgg tggttccgca 300
cacggtggtt gtttcgaaga cggtcacagt ggtggcggga atggtgtaga caccagtcga 360
ggggaagttg gtgatggcag gagtgggcag agggacctta tcggtagccg ggctcgggct 420
ggccgcggga gtggaggcac tggcaataac agtcacggtg gtggtgctgg tcgagtgcaa 480
agtggtgaca gcctcggaag tgacggtgct gggagtggga gacgcaacgg ggatcactaa 540

<210> 21779
<211> 327
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (293)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21779
ccgaggtgcg tatgcgtgcg accctcactt cgcgttgcac tacgtactga tgagaaccag 60
cttcaatacc accccgtccg taacaacatc ttactgtccg gaagcacaga cggactggtg 120
aatatctacg acactaccat cacggacgag gacgatgccc tggtgcaggt catcaaccac 180
ggctctgtcc accatgccgg attcctgggc gagcgtacca tctacgctct cagccatgac 240
gaggacttct ccgtccaccc ggccacagat cccgacgagg agcccgagga gtnttctcca 300
caggcgccca aatccgacga gaggtat 327

<210> 21780
<211> 711

<212> DNA
<213> A.fumigatus

<400> 21780
ctccagggag cccaaaggat atcctcccag tcaattaaga gaacaatggg cgagctcgac 60
ttgcccggca tcatgagcaa tatcaacctt cggatggacg ccaatttcga ccgcgactta 120
catttcaagc cggatttaga tggggagaaa gggagaagga aaaggaaaga agcgggagat 180
tactgggagg cgatggctgc cgaaatagca atttacgctt tttgcgcaaa ccagactgag 240
gatacaacaa acgacgacca gcaggatgac cccccgcaaa cgttcgagcc ccgattgccc 300
gccatgttcg agaccctaca agacgtcctt aagaccttgg tcccggagcg cgatcacccg 360
gccgttacgc aaaacttgga ggtggctcta ctgatgcagc aggtcaggaa gggagttctc 420
gacatggttg ggatcgccaa ctggttagcc aggctcctca aaacacattg cgctccgatg 480
cgggacgaat gggcagaccg catggttgag cagatccgtg ctggctcgga atcgcaggac 540
tccatggaga ttgtccgcgg gctgcagacc ctctttgcca ttttggaggc tatgaaattg 600
gtaggcttgg ccgtcgttgg ttctacacac acacaggtat atgtgctgac tttgttgctt 660
ctaggacgtg gcgacgtcct caccacgtgg aagaagcggc cgctagatat a 711

<210> 21781
<211> 426
<212> DNA
<213> A.fumigatus

<400> 21781
aagtctctct caagaggttg taactcatcc cctccatctt tcacaatggc ttccaaccct 60
gtcaacgaga gaggtgtttt tgtccacgaa aacacatccg cccccgaaca tccaagcttg 120
atgcagatgt tctccctcaa gggcaaaacc gccattgtca cgggtgctgc tgctggcatt 180
ggtctcgccg tggctcaggg cctggctgaa gcaggtgcca acgtcgcatt gtggtggggc 240
gccaattcta gctgtcctga gcgggcggct gagattgctg ccaagtatgg ggtacagtgt 300
gagtactcct ctgaactggc attggttccg tttcgactgg atgtgaaaaa atggaaatct 360
aactttcaca gccaaggctt accaggtcga tgttacaaac cccaaggctg tccaggaggc 420
tgttga 426

<210> 21782
<211> 354
<212> DNA
<213> A.fumigatus

<400> 21782
agatgcacct tgactgttcg ggccaataat gcacttgaag aggagtcatg gcttaatcct 60
tgccatatca agtcccgagt tggtatcagc ctatgggctg actgtgggta taaagtcttg 120
aatacgcccg tctgttcgag acctctcatt cagtgcctct ggcgacacca gaaagcaacc 180
aagagcacga cacggactta tttctctttg acaatgcgta tatctgtcgg tgctctgctt 240
ggcttgacag ccctgagtca tgccacaaca gagaaacgag ccgcctctgc ttcggcttac 300
tgttccaact cggccggcaa ctacaagctg tcctccatcg cagctccggt tcaa 354

<210> 21783
<211> 504
<212> DNA
<213> A.fumigatus

<400> 21783
tgcctcctgc ccgactggtt gaaaaaaatc gtcactgccg ctggaatgaa aaccgaagtg 60
ggcagaatag ctaaacttct ccaggagact tcggacgacg ccgactccag taggctcgtt 120
caggccgtcc gccgtgtcaa atcaacagcg gaaaatgtcc tcggtctcgc tggtacgcca 180
ttacaggtaa agttgagtaa atttgcgctc cttctttttg ctcttgcagt tcttctagct 240
attatcgtct tttcggtcaa caagtgggac attgaaggag aagtcctgat atacggaata 300

gccattggcg tcgctgtcat tccagaatcc ttaattgctg tgctcacgat aaccatggcg 360
gtgggcacca aagcaatggc caaggggaac gtcatcgtcc ggaagctgca atgtttggaa 420
gctgtggggg gtgttacaaa catttgctct gacaagacag gaacattgac gcaaggaaga 480
atgattgcac gtacggcgtg gata 504

<210> 21784
<211> 186
<212> DNA
<213> A.fumigatus

<400> 21784
atggcggatg aaattgcatt ggctgtggtg aggtcagtgg cagataacct gacacagcag 60
acgaacgtca acgctgccgc catcagacat caaaagtccg aggccttggt cttcttgcta 120
ttggttttcc attgtctctg ctaccatagt accgagtacg gagcaggctt ttcaactgtc 180
aagtaa 186

<210> 21785
<211> 237
<212> DNA
<213> A.fumigatus

<400> 21785
tcatttttgt cagcgtacaa agattctcct ggtgtggcat ggagtcgaag tggttgtcga 60
ttaatgtatg gatatcaaaa caccactacg acgccgtgcg cttacacgct gaacaaatat 120
tatctgccgt tttccccatc aggtattgac ttcctggctc cccatatcgc tgtgtacatt 180
gtcgtgtttc attgctctcc aggcaaattc tccatatggc gcatggcggg gttatga 237

<210> 21786
<211> 183
<212> DNA
<213> A.fumigatus

<400> 21786
cctttcagtg catacaactt tggaatcccc gccctcccat ggatcaacgg ccgtgactta 60
gctggagagg tcattcaggt gtccgacggc tgctcccgtc tgcgagtcgg tgacatcgtc 120
ctcgttccgt ccacggatta ccgcgatatg ttttcagccc ggggctgcag gaccgcgctt 180
gag 183

<210> 21787
<211> 516
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (52)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21787
cactttccta cggccgcagc ttcgactgcc tcgccgccgg ccacgagcac cncgggaatc 60
accctcctga acgccgcgct gcgcaacatc ggcctcttcc tcccgccgtg gctgcacctc 120
atcctgctca aaatcccctg gctgacgcgc gactggtggg ccttccagtc gttctgcagc 180
gagcggctcc acgcacgcat gcgcatggac ctgccgatcc ccgacatcag cgcctcgctg 240
ctcgccccgc tgcacggaag agcgcccact ccggaggaga gactgatgct cgacggcgac 300
gcgcggctga tcgtcgtcgg gggcagcgat acgactgccg tgtcgctgtg cggggctctg 360
tacgagctcg cgcggcatcc ggagcagctg cgcaagctgc gcgaggaagt cgagccgttt 420

gttgatgcgg cgggcgatgt gcgtggggcc gatattgcgc ttctggagca tctgaacggc 480
gtgatcaatg aggccctgaa gatgtatccg gctgtg 516

<210> 21788
<211> 546
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (467),(535)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21788
gacacagccg gatacatctt cagggcctca ttgatcacgc cgttcagatg ctccagaagc 60
gcaatatcgg ccccacgcac atcgcccgcc gcatcaacaa acggctcgac ttcctcgcgc 120
agcttgcgca gctgctccgg atgccgcgcg agctcgtaca gagccccgca cagcgacacg 180
gcagtcgtat cgctgccccc gacgacgatc agccgcgcgt cgccgtcgag catcagtctc 240
tcctccggag tgggcgctct tccgtgcagc ggggcgagca gcgaggcgct gatgtcgggg 300
atcggcaggt ccatgcgcat gcgtgcgtgg agccgctcgc tgcagaacga ctggaaggcc 360
caccagtcgc gcgtcagcca ggggattttg agcaggatga ggtgcagcca cggcgggagg 420
aagaggccga tgttgcgcag cgcggcgttc aggagggtga ttcccgnggt gctcgtggcc 480
ggcggcgagg cagtcgaagc tgcggccgta ggaaagtgtc accagccggc taatngacat 540
cctcac 546

<210> 21789
<211> 396
<212> DNA
<213> A.fumigatus

<400> 21789
tacagatctc cgcaacccat tgtcctcttc tctccgcagc tttgtccatg ggccccggca 60
cgcgatgctt ctgttaagat gacttcgatc ctttcctggt tccggagact ctactctctt 120
gataccctcg acactcgttt tacttcgtct gcgaccacct cgttaaaggc cgctgctgac 180
acgcgacccc cgtctgcgaa agatgctcgc gcaaatgcca tcgccaatgg cgcttcgcct 240
cccaactggc gaacgcctga attctttgtt tactatcttg tcttcttaac cgtggtgcct 300
atgatgttca agactgttat tgatgcttcg aaaggtacgg cgtgtggttg cgagtctggg 360
gggagcttgg agacccctgc tgatcacttg ctctag 396

<210> 21790
<211> 495
<212> DNA
<213> A.fumigatus

<400> 21790
ttatggagtg tctgccgttc tggcggtgaa gatctcggcg ctcttgctgg ctcttcttcg 60
ccccggacaa tgcgagcttt acggaagatc caatcgcatc agattctttc gtcgaaaact 120
tctgcgttta gcggtccaac atcgcatctt tccacagcgc gctcgtccgt caacgccgag 180
gcgcaacagg cacatttgga ttcccctgtt cggctgcggc accggcgagc taggtcaaat 240
agtgacgctg gctctggaga acgacccatc ttgcaggctc agaaacgatc gggaaggaag 300
acaggttctg ggtttgggat caagagatcc gtcttggaga ccctgttacg ggatgggccg 360
cagaatgggg acgtcgagga tgcactgaag gagctgagat accttgttct gtcgacacgg 420
gtggaagcag acggtgatgg catggtatgt ggacgttgca atagcgccgt gacctctagg 480
cggataatgg gcctg 495

<210> 21791

<211> 315
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (260),(286)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21791
caggacataa aggtctttga tgaagaaatc actgccaaat ggcgcaagga aattataggc 60
agcggagagg atatcactcc caatatgatg gactggatca tcaaggaggc gcagtggaaa 120
gccaaggtct tccaggacac caagcatgtc gtcgcattcg atgctggcgt ggtcaaatct 180
gatattgcca tcggtgaaga attacgacag gtgctgaaag atgctgttcg gcccctggag 240
gatgtgcctg aagggctcan agactaccat cctggatcgg acgacnaggt ggttgacctg 300
ggtccatccg tccct 315

<210> 21792
<211> 195
<212> DNA
<213> A.fumigatus

<400> 21792
tcaataatgc ctggtggcca gtatcaaaaa ctccttattg ctacttctgc tcaggccagt 60
ggaagaactc ctatctacaa cttcacgagc acagtgaagg gatcaaagag attcacctgg 120
atcaccagag aacttttagc tgatatgcta ggcaaagaag aacgagaatt tggaaaggcg 180
cgaaattcca tctag 195

<210> 21793
<211> 186
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (97),(164),(173)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21793
aggaggggtt tgatgtttaa gtacctgcac cttatattca gcagggaatt ttttctaagg 60
ccttgccaaa gtaagcccaa cctttttttgt tcatccnaac aacataattt tttggatttt 120
cagctgccaa gtaagtacca cagacacttt ttagatagtg cccnacagcc ggntaatgga 180
ataggt 186

<210> 21794
<211> 588
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (452),(463)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21794
aaacggggag ctcaacagtc acaatctacc ggaggtggtc tctttgggtc gaacgctcaa 60

caaaaaccaa tgtttggaac gactccgtcg gcgcccagtg gcggtggttt gttcggcaat 120
gcagccaagg acaagcctgc ggaatcaaca accccaacaa ccactgctga cggtgctgcg 180
aaaccccctct ttggagctgc cccgtcagca cccgctgggc aagctcaagg gtcctcactc 240
ttcaagatgc catcctctag cgccgattca gggtcgaaac ctgctttccc gtctctcggt 300
acaactacca caaccacgac cagccaacct tctacagcct tgaccacatc atccgacact 360
ccgcaaaagt cactattccc cagtcttgga ggtactacgt ccgcgacccc gtcaactaca 420
ccagcggccg ctccagctgg aggtggtctg tntggtggac tangtgcgtc caagcctgcg 480
gaaaccggtg cggcaacaac caccaccgct cccgcttctc aacccgcagc ggcgaccggc 540
ggactgttcg gtaaacctgc tgagaccaca tcctccacac aggccccg 588

<210> 21795
<211> 294
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (192),(203)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21795
cgccgattca gggtcgaaac ctgctttccc gtctctcggt acaactacca caaccacgac 60
cagccaacct tctacagcct tgaccacatc atccgacact ccgcaaaagt cactattccc 120
cagtcttgga ggtactacgt ccgcgacccc gtcaactaca ccagcggccg ctccagctgg 180
aggtggtctg tntggtggac tangtgcgtc caagcctgcg gaaaccggtg cggcaacaac 240
caccaccgct cccgcttctc aacccgcagc ggcgaccggc ggactgttcg gtaa 294

<210> 21796
<211> 612
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (25)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21796
gtcgtgtcgg gacgcggttc tttcnacccg tggtcggcat cttgctctga tgccaccagg 60
caagctccac cagcccccac agggagcagc taccctcgg gctttgacat gacccggagt 120
tgggcgaatc tgagccccta tcaggaggcg gatagctttg gcgtgccgaa aggaatgccg 180
cacggctgtg agctgtccca agttcatgtg ctgcatcgcc atgccgaacg ctatccgacc 240
ccgtatccct tggatgggca ggggatggag gattttgccg cgaaatggag caattacacc 300
aggagccttc atctcaaagc ccccgccacc ggtcctttga gctttctgaa cgactgggaa 360
tacattctag gggaggacac tctcctggca accggcgctg cgaccgaggc taccgcaggg 420
gccagcttct gggccaacta cggacggctc ctgtaccgtg ccggccggga gaatggagcg 480
gcctggaatg cctcgttgaa cgtgtatcca aacggcacgg cgcgtcctaa gccggtcttt 540
cgcacgacct cacagccgcg gattctccaa agtgctcgat ggtggttgag tatggactcc 600
ctggtccagt ag 612

<210> 21797
<211> 450
<212> DNA
<213> A.fumigatus

<400> 21797

tcgcgtcagc ttttcgtcga gaattcgcaa gacacggacg ttttaccagt ggattacaga 60
aaaatggccg atcccatcgc cgacgcgcct gtcatagacg agttcgcgca aactcgaggc 120
ggggacgatc tgttcgatga cgaaatcatc ccagtatccg cagacgaaca agtacaagct 180
gaggttcaga caccggagga aaatgttgca gacaccaaga gccaggagcc accacggata 240
gataccccgc cgcgctcacg tggagcggat agacgaggag ggagagggag aggaagagga 300
cgcggaggac gcgggtcgca ccattcatgt cgcgggcgtg catatggagg gccgaggggc 360
atgtctactg acaatgctgc cgaacgagag gacaacaaag tggagaatgc agcccgcgac 420
acaccggcag aaggatctga acaatctgca 450

<210> 21798
<211> 219
<212> DNA
<213> A.fumigatus

<400> 21798
acatgcccct cggccctcca tatgcacgcc cgcgacatga atggtgcgac ccgcgtcctc 60
cgcgtcctct tcctctccct ctccctcctc gtctatccgc tccacgtgag cgcggcgggg 120
tatctatccg tggtggctcc tggctcttgg tgtctgcaac attttcctcc ggtgtctgaa 180
cctcagcttg tacttgttcg tctgcggata ctgggatga 219

<210> 21799
<211> 213
<212> DNA
<213> A.fumigatus

<400> 21799
gcgcggcggg gtatctatcc gtggtggctc ctggctcttg gtgtctgcaa cattttcctc 60
cggtgtctga acctcagctt gtacttgttc gtctgcggat actgggatga tttcgtcatc 120
gaacagatcg tccccgcctc gagtttgcgc gaactcgtct atgacaggcg cgtcggcgat 180
gggatcggcc atttttctgt aatccactgg taa 213

<210> 21800
<211> 207
<212> DNA
<213> A.fumigatus

<400> 21800
aggcgtacag gtcgaggaca gacttggcca ttcttgactg atccgccaat ctacagtatc 60
attgccaaca cattcatttt ctcgttcctg atcgcaatcg taaagtggga ggtcaacctc 120
aggcaattga cttcgaggta tgtctttagt ttttgtagca ctggcaccct aacccccctg 180
atactaaacc cttcggacaa aatctga 207

<210> 21801
<211> 633
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (8),(20)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21801
cgtcctancg caattgctgn tccttccatg cccgtggtga agattggaat gctccgtatt 60
accccggcca gggtcaaatc aacatcattt acttttgccc ttatcaccag gaggtctagg 120
catcgtggtg gaaccagata cttctcccgc ggcatagacg agcacggcca tgtttcaaac 180

tataatgaga cggaacagat cgtgatactc aatgatgcgg cgggagggct ttctggtttt 240
gcgccgggac agtctatggc caaggataaa tccggtggct caggccagga tctccagatc 300
atgtccttcg tccagacccg aggaagtgta cccgtctact gggccgaagt gaacaacctc 360
aagtacatac cgaaactcca ggttcgcgga gtggagacag ctgttgatgc tgcacgcaag 420
catttctcgg agcaaatcag aatttacggc gagaattaca tggtcaatct tgtcaaccaa 480
aaaggcagag aagagcgtgt gaagacggcc tacgagcagc tggtacgcat attggtgtct 540
tcctcgatcg aggaccccga ggccgatgaa aacacctccg agaaagtcca tgtggtagaa 600
tccggtcaga agcaaaaaga actggaccgc ctg 633

<210> 21802
<211> 453
<212> DNA
<213> A.fumigatus

<400> 21802
acacgtgcgc tccgtgtagt ggccattgca gccggtcgcc aactcggcag ccgtctgttc 60
ggtccccccg ctctcaaatc cgccaaattg tcctacgaga atattcccac cgtggtcttt 120
gcacaccccg aagtcggcac catcggtctc actgagccac aagctcgcca acgctacggt 180
gacgacaagg tcaaggttta ctataccaag ttcaccgcca tgtactacga cgtgctcccg 240
acagaagaga agaagaagaa cccgaccgag ttcaagattg tgtgtgtcgg tcccgaggag 300
aaggtggtcg gtctgcacat tctgggtctc ggcgtcggcg aaatgctgca gggtttcggt 360
gtcgcgatca agatgggtgc taccaagaag gactttgata gttgtgttgc tatccaccca 420
accagtgcag aggagttggt gaccatgcgg tag 453

<210> 21803
<211> 198
<212> DNA
<213> A.fumigatus

<400> 21803
agaccaagct ctcaggtgcc ccaggctatt tctgaaggcc gccgtctata cgttggtaac 60
atgccatata cggccaagtc ggaggatgtg caagcgttgt tcaccgccgc aaacttccca 120
atgtacggag acaagaattc ttgtatggag atggccaaaa ctgagtgctt tgcagcgagc 180
ggatcgatat cgcgatag 198

<210> 21804
<211> 366
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (355)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21804
gtgctttgca gcgagcggat cgatatcgcg atagacccct tcactggccg caatccctca 60
tactgctttg tcgatttgga gaccagggaa ttggcaaata aagcaatgac cgaattggat 120
ggtcgtgata tgcttggccg gcctgtcaag atcaaacctg gagttgcaaa aacggcaagt 180
gagcgttcgc agcaacagca acatcaacag caacgaactg aaagctcgcc tcgcagtgat 240
aagggcaggc cgtttgctct tgaccgctgg agacgcaacg acacgcccgc cttcgctaag 300
gtcgacagcg tctctagccg tcgcctttat gtaggtgccc accgaccgac tagtnggaaa 360
agtgtc 366

<210> 21805
<211> 219

<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (160),(161),(181),(211)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21805
agaggctttc cttatgatct gagtcaacgg catgtgatgg aagcgccgaa ctcgctggcg 60
gtcgatgcgt gggatggcag tttcacatat gcagagctaa atgatctctc ccaccgatta 120
gctacccact ttgatcgcga tggcgtcgat cctaatgtgn ntcgtcctgt ctacttcgaa 180
naactcgctg gacgaccgtt gctatgctgg nagtcatga 219

<210> 21806
<211> 363
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (333)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21806
ccagggctta tcccagctcc tgcaaaccat cctccaagcc gacaagagca agaagcgacg 60
ctccattctc ggacccgaag ccggtgcccc cagccccgca ggtcaaacac atacatcgaa 120
tgccccaacc agcgcgcgcg acagccgagc agataccccc agccacgcat ccgccggtcc 180
atccagcaag aagggatcaa ctgccgccgc cgccaaggag cccccgcaaa ccgtcaagac 240
actcacccca gccgaagaag cccggtacgg cgtacaacac cacgaccgtc tcgttccggg 300
cgtgcaattc cgaagcgacg gcgcacagag gtnttctcgc cgagcgccaa gaatacgcgc 360
tag 363

<210> 21807
<211> 435
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (398)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21807
aaccctcccc caaggaacct cgaagtgccc atcagtgtgg gcaatactac catgtaccag 60
tctagccagg gcttatccca gctcctgcaa accatcctcc aagccgacaa gagcaagaag 120
cgacgctcca ttctcggacc cgaagccggt gcccccagcc ccgcaggtca aacacataca 180
tcgaatgccc caaccagcgc gcgcgacagc cgagcagata cccccagcca cgcatccgcc 240
ggtccatcca gcaagaaggg atcaactgcc gccgccgcca aggagccccc gcaaaccgtc 300
aagacactca ccccagccga agaagcccgg tacggcgtac aacaccacga ccgtctcgtt 360
ccgggcgtgc aattccgaag cgacggcgca cagaggtntt ctcgccgagc gccaagaata 420
cgcgctagcg ctagg 435

<210> 21808
<211> 441
<212> DNA

<213> A.fumigatus

<220>
<221> unsure
<222> (403)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21808
tttaaaaccc tcccccaagg aacctcgaag tgcccatcag tgtgggcaat actaccatgt 60
accagtctag ccagggctta tcccagctcc tgcaaaccat cctccaagcc gacaagagca 120
agaagcgacg ctccattctc ggacccgaag ccggtgcccc cagccccgca ggtcaaacac 180
atacatcgaa tgccccaacc agcgcgcgcg acagccgagc agataccccc agccacgcat 240
ccgccggtcc atccagcaag aagggatcaa ctgccgccgc cgccaaggag cccccgcaaa 300
ccgtcaagac actcacccca gccgaagaag cccggtacgg cgtacaacac cacgaccgtc 360
tcgttccggg cgtgcaattc cgaagcgacg gcgcacagag gtnttctcgc cgagcgccaa 420
gaatacgcgc tagcgctagg g 441

<210> 21809
<211> 327
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (284),(286),(287),(289),(290),(291),(292),(293),(295),(296),(297),(298)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21809
gaattcaata ttggggtctg gagcaggatg aagtggccca gagcgggcct gatcccgagc 60
ccgaaccact ttttcccggg gaattggcag gccaactatc catgggcatt atttagtctt 120
aaaaagccca catgtttaaa cccgggttct ccaagcttct ggtgtcatgc ccggggtagc 180
cacgtttacc tttcacgtcg ttttctgggg attgtcctaa ccctcatttt ctttaacttt 240
ttattcgacc cttttatgcc ctttccttct ctcttttctc ttcncnngnn nnngnnnnaa 300
caaaagtaca tctctgatct cgcctga 327

<210> 21810
<211> 348
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (136)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21810
cgtgaataca gtggttggta cttcaaggat tacttcaatc aaccgtcgcg agctgcgatc 60
ggcacagtcg tcgccatcct tgaagttggt gcattcattt cttccttaat cgttggtcgg 120
attggcgact tgatangaac gcggaagaac atcctctacg gctctgtcgt gttctctatc 180
ggtggcgctt tccagacctt cgcaactggt ctacccatga tgatgctcgg ccgtatcgtt 240
gcaggcctag gcgtcggagc attgtcaacg atagtaccag tctatcaatc agagatatcc 300
gtatgcaaaa atccctcgat ttctcctgcc cccattttgt gccggtcc 348

<210> 21811
<211> 399
<212> DNA

<213> A.fumigatus

<400> 21811
ttccactcct gcctcctttt cgtcttcttt ttttcccctt tttatctttt cattttatca 60
tctttgttac tgttttccca aacgaatcca ttattatttc tttcccttgg aggttcccta 120
ctgtggtctt gtgtctgcac tcttgccaag cccattggtc cttgctctga gcctatcact 180
tgcgattcgc ccgcccataa gtccgcctct ctcaaccttt ccatctcacg cgcacctcca 240
ctcaacatcc accattcgga tattccgccc atccaaagcg aacacccctc cttctgctcc 300
accatcgatt gcagtctgcc caaaacggac ttcagaactc ccttctacgc tattttccgc 360
cattcactgt tgaagtgcag ccctccatac tctcgatag 399

<210> 21812
<211> 522
<212> DNA
<213> A.fumigatus

<400> 21812
tcggccggtg tcactgatcc gtatgaattc tacaaatatg tgcacctgtc tgaagttggg 60
aactgcattg gttcaggcat tggcggcacc catgctttgc gaggaatgta caaggatcga 120
tacctggata agcccctcca gaaggatatt ctgcaggagt ctttcatcaa cacaatgagc 180
gcctgggttg acatgttgct cctctcctct acgggaccaa tcaagacccc cgtcggtgca 240
tgcgccactg gtgtggagtc tgttgacatc gggtacgaaa cgatggtgga aggcaaggcc 300
cgagtttgct ttgttggcgg ttttgatgac ttccaggagg aaggttcata cgaatttgcc 360
aacatgaaag ccaccagcaa tgcggaggat gagtttgctc atggccgtac tccacaagag 420
atgtctcgac ccacaactac cacacgtgct ggtttcatgg agtcgcaggg ctgcggtatg 480
cagctgattc ttcagccacg gcggctgaag atcatgcgtc cg 522

<210> 21813
<211> 285
<212> DNA
<213> A.fumigatus

<400> 21813
ccaatctttt ctcaaacttc atactgtcct cgattctttg tttcttcttt ttatctcttt 60
cttctttcac ctccccatcg attggtctac acccgtcgat ttacactcgt tcctcacctt 120
gatacttcta ttgtcttcga ttttttcttcc tttcctccca ctaacgtttc aatcaccacc 180
ttcgttccct acagccaggt gctgttattg ttcctccgcg tctctgcaag gggttctcgc 240
ttgctttcag tttcatacca ccagccttat gctagattcg attga 285

<210> 21814
<211> 636
<212> DNA
<213> A.fumigatus

<400> 21814
gatcgtggga aaacttcgct gacagatggt ctcatcgcca caaatggcat tatttccccg 60
aaattggcag gcaagatccg ctatctggac tcacgtccag atgagcagct tcgcggaatc 120
actatggagt cgtctgctat ttccctgtat ttctccatga tgcgtcgctc gtctcctgat 180
actcctcctc agcctagaga gtacctgatc aacctgatcg actcgcctgg acatatcgac 240
ttcagcagcg aagtatcgac agcttcaagg ctctgcgacg gtgctctagt tcttgttgac 300
gccgttgagg gtgtctgcag tcaaactgtc acagtgctac gtcagacttg ggtcgagcag 360
ctcaaaccga ttttggtcat caacaagatc gacagactgg tgggagagtt gaaaatgagc 420
cccagtgaag cttactctca tttgagcaga ctcttagagc aagttaacgc tgtcatcgga 480
agtttctatc agggcgaacg gatggaggaa gacctccagt ggcgagagcg tatggaggaa 540
cgtatcaatg cctccgctgc tcgaaccgct cagaagcagg gacaatgcga tgagacaaac 600
atgagcagcg tcgatgaggc ggaatttgag gattag 636

<210> 21815
<211> 189
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (33),(37),(106)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21815
aacgatgagg atatctactt cgccccggag aanaaanatg tcattttctg tattgccatc 60
aatgggtggg gttccattgt tccccccccc cgggcgggtt taaganaagg aaactatgtt 120
ttcaaacgat tgattcttga gaaaagtgct atgggggaga attccaacct gaaccttaaa 180
acaaaagtt 189

<210> 21816
<211> 258
<212> DNA
<213> A.fumigatus

<400> 21816
aggaagatac gcttactgtg ggcagtaccc ccctggtggg agtcgccgga ggtggtgata 60
gaggcaacta aggagcggtc actgcttcac cataacattc actgtatcgc ctacccagag 120
gccatccgga tctatactaa cgggtccggc atctgcgggc gggtggacac cgccgcggta 180
tgcctgggcc ccccatctgc cgtcaacgtt acctggggac ggtccacgga tgtggaacac 240
acggtgccag ttgcatag 258

<210> 21817
<211> 225
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (24)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21817
accttgctgt ccggctgccc tttntatgtc ctgaaacacc ctgaaaagta caacaagctc 60
gtccaggaaa tcagaggggc ttttcagaaa caagacgata tcactttcct ttcagtggca 120
agactcccgt actcgcacgc tgtgctcgaa gaaagcttac gattatatcc tcctgtgcca 180
ggatatcttc caagaaaggt cccgatgggg ggccgcttcc attga 225

<210> 21818
<211> 489
<212> DNA
<213> A.fumigatus

<400> 21818
tatctgcaag ctaatgtacc tcacaaggtc attgccgggt ttgctgagac tggtcaattt 60
gacaagatcc tcacctattc gaagcaagtt ggataccagc cggattacac tcaacttctg 120
cagcacattg tccgcgtcaa ccccgagaag ggtgccgaat tcgctgctca gctggctaat 180
gaggaaagtg gcgcactcat tgatcttgac cgcgtcgtgg acgtgttcct gtcacagaac 240
atgattcagc aggcaacctc gttcttgctc gatgctctca aggacaatag gcccgagcac 300

ggccacctgc agacacggtt gcttgagatg aacctcgtca acgctcccca ggttgcagac 360
gcaatccttg gtaacgagat attcacccac tatgatcgtc ctagaatctc ccagctttgc 420
gagaatgccg gcctcatcca acgtgctctg gagtcttcac cacgggagga cgcgcatccg 480
cgcatataa 489

<210> 21819
<211> 672
<212> DNA
<213> A.fumigatus

<400> 21819
aaacaaagag ttagatatgc tccatatctc aagaaattaa gaactggtga acaatgtatt 60
gatttattca aacacggtcg atatttaggt tggtcaggtt tcactggtgt tggggcacca 120
aaagtcattc gtaatacatt agtggatcac gttgaaaaaa ataatttaca aggtaaattg 180
agattccatt tatttgtagg gaccagtgct ggacccgaag aaagtagatg ggccgaaaat 240
aatatgattt taactagagc tcctcatcaa gttggtaaac caattgctgc tgctatcaat 300
gatggtagaa ctcaattttt tgataagcat ttgtcaatgt tcgctcaaga tttaacttat 360
ggattctaca ccaaagataa accaaatgga tctaatttgg attatactat tattgaagcc 420
actgctatca ctgaagatgg atccattgtt cctggtccag ctgttggtgc ctctccagaa 480
atgatctctg tttctgataa aatcattatt gaagtcaaca ccaaaactcc atcttttgaa 540
ggtattcacg atattgatat gccagtgaat cccccattca gacaacctta tcctcacaca 600
tcggctgatt tcaagattgg taaaactgct attcctgttg acccagtctt caccacggcg 660
ctggaaggag cc 672

<210> 21820
<211> 183
<212> DNA
<213> A.fumigatus

<400> 21820
ttgattgcta tgcgaccatc gaacaactgg gaccacggcg ttgacagtcc gcagtacagt 60
tttaccaacg tgaagaagat ggagcctttg gtggacattc gcattcaaca ctggatcgac 120
aagctcaacg agaaattcgc tcagacaggg gagattttcg atttctcatg gtgggccgtg 180
taa 183

<210> 21821
<211> 279
<212> DNA
<213> A.fumigatus

<400> 21821
tggcatgtct gcagctacat ggcgtacgac atcatcagcg agatcggctt aggcgccccc 60
tttggcttcg tcgagcacgg ccaggatgtc tgcgggctca ttcatggttt ccacgatggt 120
ctgccggcgt acggtctcct tgctcgtctg cacccccttca ccaactggat gaacaccacc 180
ttcatgaata agtacctcgt cgccactccc caggacgatt cgggaatcgg cgtcctcatg 240
cgtttccgcg accgcctgat ccaccaacgg ttccgctag 279

<210> 21822
<211> 414
<212> DNA
<213> A.fumigatus

<400> 21822
ttatataagc gcgggcgcgt cgagctctcg tgggtgaaaa caaggtgtgt aggaacttcc 60
catacgaatg ggtaccatat gagtacccat ccatatctta ttcaatcatt ccatcctaat 120
cctatattca ttggttcaga aattgttgca cagttactct tgcacaatgt taggaaagtc 180

tacattgtag cgcgaagcaa gagcaagtac ctcagagcac aagagaactg gcgacagcgc 240
catggtatag ttctcagcga gaatgacgac aggttggaat tcattcagtg cgatctggga 300
gacatcaaat ccgtaaagga tgcagcggat gagattacgg ccaagacaga cagactggac 360
atcttgatat gcaatgcagg taagctttct cgctcgactg cgcagccgct ttga 414

<210> 21823
<211> 282
<212> DNA
<213> A.fumigatus

<400> 21823
tccttttgca gacttcagca atcaaagcgg ctgcgcagtc gagcgagaaa gcttacctgc 60
attgcatatc aagatgtcca gtctgtctgt cttggccgta atctcatccg ctgcatcctt 120
tacggatttg atgtctccca gatcgcactg aatgaattcc aacctgtcgt cattctcgct 180
gagaactata ccatggcgct gtcgccagtt ctcttgtgct ctgaggtact tgctcttgct 240
tcgcgctaca atgtagactt tcctaacatt gtgcaagagt aa 282

<210> 21824
<211> 291
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (2),(22),(245)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21824
anatatggtc ccgcatgtga anatacctac ggaccgcgcc cggtcatgct cccatgtatc 60
ttcctttgcc tcttctcgct gtgcatgacg agtctggcca ccgagtacta tcaaatcatc 120
ttggcgcagg gaattggtta tggactcgga gcgggaggta tttttaccac ctgcttggtc 180
tgcgtgagcc agtggttcgt caagcaacga ggccttgcgt tgggaataac tgttgcgggc 240
agtantattg gtgagtggca gactattctc tccgtgtcta tggcgtgctg a 291

<210> 21825
<211> 345
<212> DNA
<213> A.fumigatus

<400> 21825
tctgatgtgg gactaggggg cgtgatattc ccattctttc tgcgcctggt tatggaagac 60
gtgggattca atggcatgat acgctacacg gcgctgttcc tagggatcat tctggttggc 120
gccttctttc ttctcagtgc gcgccttccc cctaagaaat gggactcaga aatggcatgg 180
attgacttca gagtgttcca aaaccgaggc tttgctttct attgcctcgg ctcatatttg 240
gtgatgtggg gattatgggc gcctttcgat tatcttccta gcatggctca attgtccgga 300
atgtcggatt cgctggccct ctacctgctc gctatcgtga agtaa 345

<210> 21826
<211> 558
<212> DNA
<213> A.fumigatus

<400> 21826
tatttaaatc cactatctca attactacaa tttgtcaatc cgacatatga gatcattgat 60
ggtgatagca actctgagta ttctcgactt gaacaggatt tttttgcaca atctcaactg 120
gagaggcaca gtgtttttta taacaatcct ggacaaccac tttatttgtg gtttgatttc 180

aaaaccgaag ataattcaac ttatgatgcc ttaaaaccat tgttgaaacc atttatagat 240
aatgggtatt tagcctatta taatatgact gatgacaagt attattctgg tccattaatc 300
ttaacaataa cggttcactt accagttgac aaagtaacta atgatacaat tagatatttg 360
tttttagatg gcccattaga taagtttaca attgataata acaatacaaa tatagatgaa 420
ttgcaaatat gttcaatatt atttcgtgtg gcaagtggtt ccttagagac aattttggta 480
tcagagtcat acgcaactag cactaagaat gatttcatat gttcttcacc cacgggcgct 540
ggaaggaacc gcaattgg 558

<210> 21827
<211> 630
<212> DNA
<213> A.fumigatus

<400> 21827
acaattgtgt ttttgtcatc ttgtaatagt gtcaaatttt acagtgaatt attgaactat 60
attgacttac cagtgttgga tttacatggt aaacaaaagc aacaaaagcg tacaaacact 120
tttttcgaat tttgtaatgc caaacaggga atattagtat gtacagatgt tgctgctaca 180
ggattggata ttccagccgt cgattggatt gtccaatttg atccaccaga tgatccgaga 240
gattatatcc atcgtgttgg gagaacagcc aaaggaactc aaggtaaagg taaatcattg 300
atgtttttga ccccatctga attgggattc ttaagatact tgaaagctgc taaagtacct 360
ttgaatgaat atgagttccc agctaacaag attgctaaca tccaatctca attaactaaa 420
ttgatcaaaa ccaattattt gttgaatcaa tcagccaaag atggatacag agcatatttg 480
caagcatatg cttcacatgg attgaaaact gtgtatcaaa ttgacaaatt ggatttaaag 540
aaagttagtg ctagtctcgg tttagatcaa gtacctagag tcaatttgag tattggtggc 600
acaaaaacca aaaagcaaaa aaggtcataa 630

<210> 21828
<211> 876
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (775)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21828
cgcaattgcg gtccttccac gcccggggtg aaactttctt attctggaac taaaatatta 60
acgtatgcgt ctaatctatt ggattggatg tccaaaagct tcactaaaga atgggaagaa 120
ttatccagtg tccctttcaa cccttcaaaa gttgatttat tgctagatcc aagtgaattg 180
ttaaaactaa gtggtcccaa aattgtgttt tgctctggta tagatttgcg aagtggtgat 240
atatctgccg aggccttcca atatttatgt aacgatgatc gcacgacaat tattttgaca 300
gaaaagacga cgatgaactt tgctagtagt ttgagctcag tactctacac tgaatgggac 360
tcgttagcta aaaaaagagg aggcggagag tctgaagacg gtattgctgt gcccatagat 420
aaaaatattt cgttgaaaaa ttggacaaag gaagtagagt taacaggtac agagttgaca 480
gagtttcaag aaaaggtggc tcagaaaaga aaagaaaaat tattagccaa agtgagagat 540
caaaagaatc agaatatttt aagtgccgat accgtagatt cagaagaatc ttctgatgac 600
gatgacgaag gagacaatga agcagaaaag caaaaaggca atacttctag taacttgcta 660
atcaagcaat accagaatat caatgtcgca gattctaatg ttgctcctaa cgaaatcaac 720
cctcttgcta ctcatgaagc attcatcaca gatcatatta aacaaagctt ggaanagaac 780
ttacccatcg atttgaagat aactcacaaa ttgagaccta gaacagcgac gttcccatac 840
tttgccactg cgcacaagca aaaatttgat gaataa 876

<210> 21829
<211> 306
<212> DNA

<213> A.fumigatus

<400> 21829
agtactgagc tcaaactact agcaaagttc atcgtcgtct tttctgtcaa aataattgtc 60
gtgcgatcat cgttacataa atattggaag gcctcggcag atatatcacc acttcgcaaa 120
tctataccag agcaaaacac aattttggga ccacttagtt ttaacaattc acttggatct 180
agcaataaat caacttttga agggttgaaa gggacactgg ataattcttc ccattcttta 240
gtgaagcttt tggacatcca atccaataga ttagacgcat acgttaatat tttagttcca 300
gaataa 306

<210> 21830
<211> 759
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (590)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21830
caactcatat caattgatct tttatcccct actaccatgt tacatattga acaaaataat 60
ttattaattg agaaaacttt aacggaaaga ttatttccta atccatctga aagttcattg 120
aaatccttag atagaattgt gtctgatttt gatttcacta catttcattt actgacatta 180
cccggggaga aacatttatt attaatatct ctttcattaa gatgttggcc agatttagtt 240
aaacatgatg ttgtcaaata tcttaatgat aaatatcaac cattcaatga agtattgaca 300
atattatcta ctaatgatgt tgaacaaggt tatgattatt cattagtttt agatacttca 360
actgctacaa cttcttcgaa ttatgacgaa gattttaaat tacaattgat taaagaatta 420
tcaaatttga aaagaaatgc catggcagct ccatttgaac aagcatttaa tagatatgat 480
gaattactga aaaaatatgc taatgctaat acttattcag aagaaattca acaagaatta 540
tttaatgaac cagtatcagt aattaaatat cgtggaattg atgaatgcan tttattaaaa 600
ccttcatttg ataaagtaac ggtgattttc tcaaccgtgt tccaagatga aactgataaa 660
atctttggta aagtttttta caagaatttg ttgatgctag gaaaagatca gttcaaactg 720
ctcctccagt tatatattct catatcgaaa caccattag 759

<210> 21831
<211> 543
<212> DNA
<213> A.fumigatus

<400> 21831
caattaactt atattaatca accatctccc atagctaatg gatattttgc tgttgctaca 60
gaaatttttg atagttctgt tgcaccacat actttggaac atttaatatt catgggatca 120
aaaaagtttc cttataaagg attattggat aatttaggta atagattata ttcatcaaca 180
aatgcttgga cagcagtaga tcaaaccgtg tatactttga gaactgctgg ttgggaaggt 240
ttcaaaacat tattaccgat atatcttgat catttaatta atccaacatt aacggatgaa 300
gcatgtttaa ctgaagttta tcatattgat ggtaaaggag aagaaaaagg agttgtattt 360
agtgaaatgc aagggatgga aaatcaatca tggtttattc tatacaaaaa gatgcaagaa 420
actttatatg ataagaattc agggtattct tcagaaactg gtgggttaat gtcagaatta 480
cgtcatttaa ctagtgacaa aatccgtgat gttttcacca cggcggtcga aggaaccgca 540
ctt 543

<210> 21832
<211> 534
<212> DNA
<213> A.fumigatus

<400> 21832
agaaacgata ctccaggggt gttttaccg actacaaaaa atgcagaaac aatgcttagt 60
cttgcattgg ttgggtgcat taacgaatca ttcattgatc ctgttatttt agcagattat 120
ttgttgtacg tcttgaatct acaagatcca acaggaaagt tgtacacaga ttatatcgat 180
cacccaacta acaatgtgta tgagctcttg gaaagcatcg accaaaaaag aaatgttttg 240
caaatagata aacgttttga tgaatgtgga ttggcaaacc attggattag caaatggaag 300
caaggtaaat cactgaagta tcgtgggtta tttgatgttg cagccattca cgaaatcaac 360
gcaaaggact ttggtaactt aactaatgca gaaagagaga gaattggttt atcaaacgtg 420
cagcaaagac ttcaagaaag attcggcgat gatggtacat ctacttctaa acacagaaaa 480
agaactgcca aagacagaga gtgtgacatg aaaaatagac tatttaaact ttag 534

<210> 21833
<211> 183
<212> DNA
<213> A.fumigatus

<400> 21833
acagcggatc ctaaaaaagc agatacgatc accattgagt tgcagaagaa gctagacgtc 60
aaatacaaaa ctcagcacaa gctggaaaaa aagtcgaagc catttattgc aacttctaaa 120
ccacaaccaa acgatgggaa atttggcgag tactttgata tagaagatat cttggaagac 180
taa 183

<210> 21834
<211> 510
<212> DNA
<213> A.fumigatus

<400> 21834
agtatttcaa ttaacaatca aagaaattat cattcttcgg gaaagtggga cctaacgtta 60
gatgaattgt gggctttcat tcaaaccaaa tttaaccaac aagatcaatt ggatgaattt 120
caaaaacaat taatatggca atggttattt gttgcggagg atgaggaagg aaattcagag 180
agtgctaaaa tatatgtcac ctataatgat agcccagtca cggcgaatag cgataacaag 240
atatttgttg ccagttatga cgatttaaat aacattcgag tacttccaga acaggaaacc 300
caagtgctgt atttgacagg aattaccaac aacaaaaagt tcttatcatc ctttggtgac 360
aaaccatatg agttactaca agagattgcc atacacggaa gcaaaggtat atgggcccca 420
actttaattg atataactgg tcaggacaac agatcattga cgggaagact caataagttg 480
gaagagtgga gactcattta cagggagtaa 510

<210> 21835
<211> 426
<212> DNA
<213> A.fumigatus

<400> 21835
tgtaatgaag gaaataaata tatgatattc cattttaacc aaaaagagaa agcagattct 60
agtaaatgta acacaataca tgttagaaag agtattgaaa attgggcaat tatactttta 120
tacatactat ttgtctggta tcgcaagtct gaacttcatt atgaccatat aattcatacc 180
aatttatggg gtgtcgaaaa aaataaaccg ccatttttgt tccaaacaaa aaactcaata 240
cctcgattac ttcaattctc tataccaacc caacctactg ccataacaca aacaatgtta 300
tatcatctaa atatactatc tgtattatca cgatctccat caccactgcc acaaacacaa 360
ccgcaaccac tggaacagga actactgctg tcatcttctc atccaaaatc agcaactcga 420
agatga 426

<210> 21836
<211> 366

<212> DNA
<213> A.fumigatus

<400> 21836
agattctcaa ataccatgtc aacatgtgct gaaaaagtga ttgattttga aattaaattt 60
gaaaatgaag ataatgctga aaaatttaga gcaaatctac caaatcaacc cgatgttaaa 120
ccattaactc atgttgaaaa tatgcaaacc accattgata gaattgatgc tcaattggat 180
ggattatata aagctatgca gtattataaa acaagaaata atagaaatca agctacagtt 240
gtgtcaactg aatcaagaat ttattatttc tccatttttg aagtcttatt gatggtagga 300
atgggattct tacaaattac tattgttcaa ttattcttta gaggatcaag aaaacaattg 360
gtgtaa 366

<210> 21837
<211> 285
<212> DNA
<213> A.fumigatus

<400> 21837
accgccattt ttgttccaaa caaaaaactc aatacctcga ttacttcaat tctctatacc 60
aacccaacct actgccataa cacaaacaat gttatatcat ctaaatatac tatctgtatt 120
atcacgatct ccatcaccac tgccacaaac acaaccgcaa ccactggaac aggaactact 180
gctgtcatct tctcatccaa aatcagcaac tcgaagatga taaacttgcc agaagaatcc 240
gatgttcctg tatcaaatat tactctgctg cttggaaaca gatta 285

<210> 21838
<211> 330
<212> DNA
<213> A.fumigatus

<400> 21838
ctttatattt ttgggtataa cgcccttctt aaaagagatg cgatgcatta tgagaagagt 60
ttcgaatcta agggccaaca ccacttttac atcgttttgc gtcagacgta cttcgtcgtg 120
ctcaatagca ccattcataa catcgtaact cgtatccccc aagacatact atcctatacg 180
atatatacca acaatacaat atataaaacc gtatcttcaa atccaaacaa atctcaatca 240
ttttataatg ataagtgggt actgatatct ttgatgttgg gtggtcataa gacagatcaa 300
ctgagtgctt tattattcac atcacggtaa 330

<210> 21839
<211> 450
<212> DNA
<213> A.fumigatus

<400> 21839
aaactttgca tcccagaaac gcatcaaaaa aaaatcaaaa aataccaagc aatgaaaatt 60
tcatccaatc tcatctcact gattaataaa cccattagga tagttccgtt gatgtcagtt 120
aacaagaaaa tcaagttaga caatatggtt aaaatttgta ctcattcagg ttcatttcat 180
gccgatgaat cccttgctgt ttatttatta aaattattac ctaaatattc tcaagccgaa 240
ttagttcgtt caagaaaccc agaagattgg gaatctagtg atattgttgt tgatgtcagt 300
ggtaaatacg atggtgtcaa atattttgat catcaccaac gtgaatttga taccactttc 360
aacgaaaact acaaaaccaa attatcctct gctgggttgg tgtataaaca ttttggtaaa 420
gtcttcacca cgggcgtgga aggaccgcac 450

<210> 21840
<211> 270
<212> DNA
<213> A.fumigatus

<400> 21840
tgtaaaactg ggctgagcct gcctatgtgc aggatcgttg tggctggaga tcctcgcatg 60
cagttgagcg cctatcccat cgaaacgccc tgggttgctt cttcaataga gattttgcat 120
ataaacaccc gagtcgtttg gctgctctcc catatcaccg atttggagca acttgagaag 180
gttctgctca atgttactca acaatggggg catggtacca acctgtccaa gttaaatgtc 240
tcagcttcgc agagtaattt gactttctga 270

<210> 21841
<211> 192
<212> DNA
<213> A.fumigatus

<400> 21841
ttgcggctcc ttcgaccgcc cgtgtgtgaa cacagatggg ttaaacgtga gttaagcacc 60
aatccccaat taattttgga tgctggtggt gttggtgttt tgagctacca acatcacaat 120
gtcgacgaac cagcaattta tttagctggt gcatttactg tccctgttga agaagaaggt 180
gcagatattt aa 192

<210> 21842
<211> 603
<212> DNA
<213> A.fumigatus

<400> 21842
aacattaacc aatgttgccc agagttaaaa acaaaaaccc caggtgtcac tcaacagatt 60
aaatgggttt caataatggg cggaagcttt gggtttggca ataaaactcc gtatgcggaa 120
ttccatgtgc atactgatca acatgcagcc aaattagtaa ttcaggaatt aagtaacaag 180
gttgtgtatt ccccatggaa ttttacccat aaagtcattg ccacttcgga aattagaaaa 240
catatgtatg acgacaataa cgagaaacga agttctccaa taagaaatgt tttatttcgt 300
atttggacat tctatgacag agtgtatgct gcaaatggat ttttggaagg cccaccaata 360
cacgatccat tggctgtata tagcttgtgt ccatttttca attcatttga acgatatgga 420
tatacctgtg cgcagaagaa tattgatatt attactgaag gtgttagaat gggtgaatcg 480
gtgattgttg aaggagggaa tactgacaaa ggagtttata ttggtgaagc gatagataac 540
aaaaagtttt gggatagtat tttattggct cttcaaaatg cggatttaca aacaaagaat 600
tga 603

<210> 21843
<211> 726
<212> DNA
<213> A.fumigatus

<400> 21843
aacagtttta gtttcttcgt taaccattgg ttctatacca tgtcaatttt cacaacattg 60
ttcaatgttc gtatttatta taattctttc attggtttaa cacttactga aaatgggttg 120
agattggtgc ctaatttttt cggtttctca tttggatcgg ttggagctgg gatttatatg 180
aaaaaaaccg gtcgttatta caagttggca gttttagctg gtattttcgc catttatggt 240
attggcaaaa tagcgttact tactcctaac attccaactt ggcaacagtt tttattgttg 300
attccttcag gattgggtta ctcgtgtata ttgactgtta ctttacttgc cttgattgct 360
gcagcacctt taaaatatca agcttgtacc acatcaattc aatacacttt tagatcaaca 420
ggttgtacac taggagtgtc cgctgcaacg gcagttttcc aaaatgtttt actccttcag 480
ttgactaaga aaattaatga attggtttct gatcctcgtg aagcggcaaa gatcattgcc 540
aaagctttgg atagtacaga gtacgtgaat gaagctccta aatatgttag agaagctata 600
agagcttcat acgatgccgg gtgtaaagga gcttttggat ttgcttttgc aacaattgtt 660
cttggtgtca tttcatcttt attcatgaga gaacacgttt tacacacaag tattaataga 720
gactaa 726

<210> 21844
<211> 513
<212> DNA
<213> A.fumigatus

<400> 21844
actaatcaca caacagcttc aactttaatc ttaccaatca actgtacaaa tatgaatacg 60
ttttcatccc caccaaacgt gatacgagag tataatgact ccacatatca gctgccattg 120
aattcacaat tccaccaatc accattcttg cagactcaat caccagacta tgtcagctta 180
cgagaagaag aggatgataa taatgataag aatctagaca tcatgtcatc atgtatagta 240
gattcagtaa tatataaatc acaaaaaatt gctggcccac tattgagtca aatatccaat 300
ttgaacattc agcaagcatt gattatacga gaactactat tcacattgtt aggacatgaa 360
ggtcattaca ttcaatatag taaacgttat gatccaacct cacaaatcag ccgaattgaa 420
ggaccggact ataagattgc aaagaacttg gatataagtc ttaaagttat caccaagaaa 480
ttggtcaaat ttggaaagtc ttacagtggg tga 513

<210> 21845
<211> 189
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (141)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21845
aaatcgttta ttcaagtatt tgataataac aaatttggga aaattgtgca aaagttttgc 60
tctgaaatga aaaagttttt atcgagtcat caacaagtgc taataaatgt tgagcatgag 120
ttcaagttta ataagaattt naatttgaat atgttgggat ctgctcttac atccagaaat 180
ttccaatga 189

<210> 21846
<211> 840
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (755)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21846
aagtgcggtt ccttccagcg ccggtggtgg aagaaaaata tagcaatgat tgagtttcca 60
aacctgttga ttgcaaaaac cgctactgca cctggagcac atattagact aactaactac 120
agttcaagtt tcatagtcag agcattcaaa cagttgattc caaattatca tccatacacc 180
ttagtttcct ttcccactga caaatatcaa cgattaatta ttcgtaaaag taacttcaag 240
ttatataata tgagaagata tatgatagca ggtagttatg acccacactt gttgtttatt 300
ggttcaaaat caagccaaaa ttttttccttg agcaaattac tggtcaatgc taaacgttta 360
ttgattgtta ttggtggatc tgctatttca tttgcattgc caatcttgag ggttatgaat 420
taccatggga ttcccactaa gattgtttgg gttatcaaag actttagaga cgtactagtg 480
cttagatatt ttgatggatt cattcatggt gacgattttg agatatttat cactggtgat 540
agcacaatca aagaacaagc aaaaactctt cgaaacgcaa taagctgtgc ttccaatttc 600
agcaaaaaat ctagaatctc cagtcatttt gatatagaac atgatgaaac ctccccgttg 660
ttgagtgaca acaatgagtc acaaattcct ttgaatcttg aaaatcaaat agaaaatgtc 720

gacatcagta tgaatagtga tgacgaagaa gaacnagaac gtgattcaga ctgttcacac 780
aatgggatca atcattctcg atacgaagac tttaatgacg ttgacgatat attagtttga 840

<210> 21847
<211> 387
<212> DNA
<213> A.fumigatus

<400> 21847
tggatgtcct acaacccgag tcatgaatgg tggagaatcc cacgcatatg gacttgtcgt 60
actatgacac agtccggcga gaggggatca gaggactacg atttagggac tgacagagat 120
caacgaagtc accaaaggag aactataaat tggctttgtt gctcttccga gcaaggtcaa 180
aaacagaatc acgcagtcca cactgaactt acaatcatat acttccaaat cactaccacc 240
atgccttccg tcagccagct cgtctctgct gctctcgcag caggagcttt caccaccgtg 300
aatgcggcta tgggtcctgc ctttagcact ggtcctgttg cctccaactc cttcatccgc 360
gaagcaacat ccactcttat cctgccc 387

<210> 21848
<211> 771
<212> DNA
<213> A.fumigatus

<400> 21848
gttaacgaaa tatttccaga agtgactttt ttcctactag ctcaggaatt acctcgaggt 60
agaacaatta acaattccat taccgatttt gaatcatcag cgaatggaag cacaattccg 120
ttgacccgac caattttatc agtatatgta tttgagtcct cagtatgtga tgttactaat 180
tcaaatagca atagcgatca tacatttacc gcggaaggtg gtcattcatc tgatgaaatg 240
ctcagcacga ctgacatata taactcctta actagtaaat cggtttctac tcctactgag 300
actagttggc tcaatagtgt tgctggtacc tcgaacatgg tagatatgag aacatccaca 360
ggaaccatca tctcatttag tgaagtagct actactgaaa tgatatcttc cccaagtgat 420
actggtaacc caaagaaatc cagtgcaatt gattatggaa cgaatagtga tattacaaca 480
ctgacaggta gatataccag cttaagggat gaaactgttt ctactcttca agaagatgca 540
ggcattgaat caaccacagt tggaggtatt acaaaaactg tacacacaac tgtttatgtt 600
accacttccc ctgataactc gattacgact gaaactgctg tggttgtagt tgtaaccaac 660
gactctactg ctacaaccta tactgaaatc attcaaacta ctgtcgttga aggcaaaacg 720
ttgacaactg ctattccaat tcttcaccac gggcgtcgaa ggtccgcact t 771

<210> 21849
<211> 228
<212> DNA
<213> A.fumigatus

<400> 21849
attagtctag gtgatattgt tataccttgt ggtctgtcat tagactcatt agctatgact 60
gttatcgtac ctgtaggtat tatcactctt tgtgttctag cttatgctat tgaatatatg 120
agtcatgacc ctaatcgtaa tagattctat attatattaa gtatatttgc tgtatttatg 180
actatattag ttgttagtga taattatcta atgatgttca ttggttga 228

<210> 21850
<211> 234
<212> DNA
<213> A.fumigatus

<400> 21850
tcgacacgta tcacagcaat gaaatcagct ttatcagcta tattacttaa tcgtatgggt 60
gatactttct ttgttatagc tttaggtctt atgattaatt attatcatgc agtagattat 120

gatacaatag cattagttac accatatatg aatacatttt tattatatac attaggttta 180
ttgctactct tagctgctac agctaagagt gcacaattag gtctacatgc atga 234

<210> 21851
<211> 264
<212> DNA
<213> A.fumigatus

<400> 21851
ttaatgataa gctgttattt aaacctttat tcacttagta tgatgagtag ttatgatcta 60
attaccctta ttaattgctt attgaaatat tatttattag ctgtgacatt agaacttata 120
catataaggg gttattatga tgatatatat ggtaatatat ttagcttaat tattattata 180
ttagccggtg gtgaatcagc tatcggtcta agtatattag ttgcttatta tcgtttaaga 240
ggtactatcg gacatagtat ctaa 264

<210> 21852
<211> 708
<212> DNA
<213> A.fumigatus

<400> 21852
ttattgcgga tccttcccgc ccctgtggtg aaagacgagg cattaaccca agctttccgt 60
aaatcaattg gaatcaaaat aaaagaagaa acagaaatta ttgaagggga agtggttgaa 120
attcagatcg atagaacaat cactggcggc cacaagcaag ggaagttgac cattaaaacc 180
accgatatgg aaacaattta tgaattgggt aataagatga ttgaagggtt aaccaaagaa 240
aaggttttgg ctggtgatgt catctctatt gataaggcat ccggtataat tactaaatta 300
ggaagatcat tcactacagc cagagatcat gatgccatgg gaccagaaac caaatttgtc 360
caatgtcctg aaggtgaatt acaaaagaga aaagaagttg tccacactat ctctttgcat 420
gaaattgatg ttataaattc tagacaacaa ggattcttgg ctttgttttc tggggatact 480
ggggaaatta gaccagaggt tcgtgaccaa atcaatacta aagttgccga atggaacgaa 540
caaggtaagg cacatattgt tcctggggtg ttgtctatcg atgaagttca catgtcagat 600
attgaatgtc tttcattcat caaccgagca ttagaagatg aattctcccc tatcgtcatt 660
atggctacca atagaggtgt ttctcgtctc agaggcactg attattaa 708

<210> 21853
<211> 216
<212> DNA
<213> A.fumigatus

<400> 21853
catgtgaact tcatcgatag acaacacccc aggaacaata tgtgccttac cttgttcgtt 60
ccattcggca actttagtat tgatttggtc acgaacctct ggtctaattt ccccagtatc 120
cccagaaaac aaagccaaga atccttgttg tctagaattt ataacatcaa tttcatgcaa 180
agagatagtg tggacaactt cttttctctt ttgtaa 216

<210> 21854
<211> 261
<212> DNA
<213> A.fumigatus

<400> 21854
acttcatcga tagacaacac cccaggaaca atatgtgcct taccttgttc gttccattcg 60
gcaactttag tattgatttg gtcacgaacc tctggtctaa tttccccagt atccccagaa 120
aacaaagcca agaatccttg ttgtctagaa tttataacat caatttcatg caaagagata 180
gtgtggacaa cttcttttct cttttgtaat tcaccttcag gacattggac aaatttggtt 240
tctggtccca tggcatcatg a 261

<210> 21855
<211> 903
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (12),(37)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21855
ttgttattca tnggattcat tcaagtagaa catttantgg gaaacctcaa gaattcagat 60
gtgggcctgt ttgaaatcac tttaattggt acagatttta ctgatcaatc tcaattatca 120
aataattata ccatgatggt ttctaatgat actgggttat atttaacttc tcaagcatta 180
ttatattctg aattatctaa atcgggtcaa actaatggta atggaggatt agtagttaaa 240
cctggtgata aaataaagat tcaatttgaa aaaaatttat ttaaaagtta ttcatctagt 300
gatcgaccta ttattgctta ttatggtcga tcagccgata gaagttcatt accaaattgg 360
atatatttcg atggtgatac tttaacattc tctggaacgg ttccttatgt aacttcagaa 420
aatgctccat caattgatta tagttttagt tttattgctt cggattatta tggatttgct 480
ggagcagaag ggaaatttaa aattgtggtt ggtggtcatc aattgagtac ttcaatgaat 540
gaaactaata ttgttaatgg taccattggt tcgaaaattg atgaatcaat accaatttta 600
tctgatgttt tccttgatgg tcaacccatt agtaaagaaa atatttccga tatttatgat 660
caagatttac caaattatgc cacatttgat aaaaataatt ttactattac tggtactttc 720
cctaatactt caaccactga caattttact attgttgtta aagatatcta tggtaatagt 780
gtcgaattac cttattcatt tgatgttgtg aattcaattt ttacaattga ttcccttaaa 840
gatgttaatg ctacaagagg tccatatttt caatattttt caccacgccc tgagatccca 900
ttg 903

<210> 21856
<211> 909
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (787),(852),(868)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21856
aaatatttgc ggatccttgg cggcttcgtg gagaagaatg gtttcttgtg cggacaatct 60
tatgggtatc ttgtggaaga tgatttgata tggacagcag ataaattgac ggcttcagat 120
cggaaaatta ctacagccaa cttgcaaaga aagtcattga tatgctattt aatggcaatt 180
aacaaatcac ttgatgaatc cattaaagac gtgatcaaac cggtagtggg taatttaatg 240
tccttgtttg ccaaggagat gtttagtgct gtttgtgaac cgatgagtat gcacgctttt 300
aaagtgcagt cacacccgag atttattaat cgtgttaacg gtgctttatt tgagccagtt 360
tcacagtttc ctgctgttga taaaactgtt tgtttgaaaa taatacaaca atcgttacaa 420
ttatcaatca aatccagttg tcgtgagtgg tctgattatt attatttggc caaagttcaa 480
agaaagttgg acaaacctgc aggtttggtt atggaaacaa tggcttcagc gtgtcggagt 540
gcatttaaaa acaaacatgc ggacaatatc attgagcctc attataattt ggtttccttt 600
gcattgaaat atgtgaaaag taataggctt gattcgaagg atgccttgaa atacttgatc 660
gaagatccgt tgattaagct tgaagtacgg gaagaaactg atttcataaa actaatcata 720
aaggcactca acaaaattga tctgtcagat aagaaaaact ggcaacacaa agcaaagtat 780
aaactanccc gtttgatgca agaagagtat catgatgtga aacgagcaat agattcaatg 840
ttaagcctta tntcgttgaa aactccanat aaagcacttg ttctgatatg gaaaccggaa 900
ccagaaaga 909

<210> 21857
<211> 291
<212> DNA
<213> A.fumigatus

<400> 21857
tcagaccact cacgacaact ggatttgatt gataattgta acgattgttg tattattttc 60
aaacaaacag ttttatcaac agcaggaaac tgtgaaactg gctcaaataa agcaccgtta 120
acacgattaa taaatctcgg gtgtgactgc actttaaaag cgtgcatact catcggttca 180
caaacagcac taaacatctc cttggcaaac aaggacatta aattacccac taccggtttg 240
atcacgtctt taatggattc atcaagtgat ttgttaattg ccattaaata g 291

<210> 21858
<211> 489
<212> DNA
<213> A.fumigatus

<400> 21858
tgtttgttaa ttagtttaag tagtgaatct gtttgcgaca taattcactg taagacatta 60
aagctttttg atctgcgaca atttttcatc aattttcaac aatggcaaag aaaaattgaa 120
agtaaagcaa ctggaaaaaa atgtgaagaa aaaaaaaatg atggaaaata ttcattactc 180
cataccaatt tttatattac aactactaca ataatgtttg gcttaggtgg tactactcct 240
caaatttcat ctcaacaaaa acttcaagct gctgaagctg aattagatat ggttactggc 300
atgttcaatg ctttagtttc ccaatgtcac accaaatgta tcaacaaatc atataatgaa 360
gctgatattt caaagcaaga atctttatgt cttgatagat gtgttgccaa atattttgaa 420
accaatgttc aagttggtga aaatatgcaa aaattaggtc aatctggtca atttatgggt 480
agaagataa 489

<210> 21859
<211> 186
<212> DNA
<213> A.fumigatus

<400> 21859
agaatatttg gatatgataa accatttgat cttcatgatt ggttaattaa tcgttgtgga 60
gttgaagtag aatatgtgat ggatttttat attggtcaaa atattcaagt ttacttggat 120
gttagaccca cattaaacac tttaggaggt attaaaatga gatttggtag accatttgga 180
ttctaa 186

<210> 21860
<211> 195
<212> DNA
<213> A.fumigatus

<400> 21860
attggtctat ttggacatct ttacttaaaa tcttgcaaca cttctctgat atcgtttgtt 60
gatccaccat tgaacaactc cccattattc aatttggttc taacggcacc cacaagaatt 120
tataaaccca acccccccaaa caactggtct tatttttcaa taatttctgg aaaaatctcc 180
aaattcaagg attcc 195

<210> 21861
<211> 624
<212> DNA
<213> A.fumigatus

jc542 U.S. PTO
09/417507
10/14/99

<400> 21861
agatgtccaa atagaccaat ttatcttgtt ggattctatt ttggtggggc attaacagcc 60
aatttcttag gtgaagaggg tgaaaaggag aattcggaaa gcttggtgaa agctgcttat 120
acttttggtt gtccttggga ttttgttgat ggtgcttatc aattgcaaaa ttcatggact 180
ggtaaatatt tattgagtcc tgctttggcc aaatttttag ctaaaattgt taccaataat 240
tataaagagt tggagactta tgcccatgac attgtcaaca aggaaacatt gaaggttatc 300
aaaaactgta aaacattgtg ggagttcgat gacaatgtaa cttgcaaaac caccccatac 360
aaagatgcct tcgagtatta tcaagagttg tctccagtta agaaactttc acaaataaac 420
acaccattgt tagctctcaa ttcaaccgat gatcctgcag ttggagtcaa attgcctata 480
ctgcaaatga aagccaatcc ttatttttgt ttagttgaaa cagatttagg tggtcatttg 540
ggatatgtcc aactgaatgg tgaatttggg tgtgttgaac tagttgaaca atttttccaa 600
aaatttgaag aattggtcaa atag 624

<210> 21862
<211> 801
<212> DNA
<213> A.fumigatus

<400> 21862
aaaacgggcg tatttggaag aggaacagtc agtaggatat ccatccgatc aattcatttg 60
agaaacacga ccaattttgt tgtgcctgaa aattataagc caaataggtc attgctcaag 120
cagttaccat ggaaagcagg acttgatatc tggtggaagt ccttgtctcc aaatagactc 180
tctgatttgc agaaagattt agtggaattt atgctaccct ctcatttgca agaaaaccag 240
agaataatca aagagttcaa aaaaacaact atcgacgaca agggcaatta tatcaatgag 300
gtagggttca agattataaa caacaaagat aaaccaacaa agcatcttgt tttcattcat 360
ggttatggtg cttctttagg ctgttttgca aggaattttc aaataatcaa caagttcaaa 420
gatactgact acaactatca tgtccatttc ttagacaatt tgacgtttgg cttgtcatca 480
aatcccagag tgaataacga taccattaat tactggcgta tccctgctac agccattgtg 540
aagttatttg ataaaactcc aactgactcc aaaaagttgt accggaagta ttacaaacta 600
attgagggat accaattaga tccagaaaat ttcgaaaagt atagatccta ttttactcca 660
attttaaaag atcttgaaaa cttttactgc tccgcgatcg agaagtggag attgaacaat 720
gacattgaca gtatggatta tttggttggt cattcatttg gtgggtactg gtgtggcaat 780
tatgcattga aataccctg a 801

<210> 21863
<211> 732
<212> DNA
<213> A.fumigatus

<400> 21863
gataccgatg ccgatgttga tatggataaa ccatctaaat cagaattatc acgttctgct 60
aaagatcgtc aatctgaagt tatagcatcc cataatatgg tgacacaatt caattttgat 120
gatgagttgg gtgaatggtg tgaattcaaa ttagaattaa atggtaatga aactcaaaaa 180
ttgttgatgg ttaatattgt tgaagattta tcacgtaaag ttgttgttcg agaaattcct 240
catattggta gatgtattcg tcctgaacca gatgctaaaa ctggtaaaag aatattaact 300
actgaagggg ttaatttccg tgccatgtgg gatcaagatg attttattaa tgtcaatggt 360
atcacttcaa atgatgttta tgccgttttg aaaacttatg gtgttgaagc tgccaaaaat 420
accattgtta atgaaatcta tagagtgttc gatacctatg gtattagtgt ttcttcccgt 480
cctctggatt taattgctga tatgatgact agagaaggta cttatttggc attcaataga 540
caacgtattg atagtagtac atccgcattt atgaagatgt cttatgaaac aacttgtcaa 600
tttttgacta aagcagtgtt ggatggtgat cgtgaagaaa tggaatctcc ttccgctaaa 660
attgttatgg gtaaattatc aaatgtgggt actggttcat ttgatgtatt tgctccaatg 720
cccagatttt ga 732

<210> 21864
<211> 234

<212> DNA
<213> A.fumigatus

<400> 21864
ttgcctgatc aatatcttta tcaaacttca ccaaatacaa tgctgtcaac accgcctgta 60
actcaaaact tgctttcttc acatcctcaa aatatgtcga atcgtcaacg ccaaaatctt 120
ttaggtcgtt ccatgcactc aacaactgaa ataatggctc gttctcaggg aacctggttt 180
tcccatcctc aatcatcttg gaggcatcct gttccaacgc aattgtcgat ctga 234

<210> 21865
<211> 222
<212> DNA
<213> A.fumigatus

<400> 21865
attatgtttt attatgccaa gacgccgcag gatccaatgt ttaagttgga agatcccaga 60
gagtatacgg aggagaaccg gctcaaagtg agatttgatc cagaaaaata taaagaaggt 120
catcctcacg acgagttatc gacgtgggac aggatccgtc tttccaatgg gtatgacata 180
actgaagaaa agtcggcctg ggacgagatt aggagtaaat ag 222

<210> 21866
<211> 612
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (77),(78),(80)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21866
ctgaagaaaa gtcggcctgg gacgagatta ggagtaaata ggtttataaa atgcgaaaaa 60
aaaaaattct cgacacnnan actacacgta gacacccacc accaagcagt tatggacgca 120
tttagtgatt caggagagtt gtataccatt aggaaccagt tttatactaa tcagcacaat 180
aaggtcaagg cgtactcgct tgatgagttt tcacccgaaa atcaattgaa ggtgttggag 240
tttcaaatca gatcgacaat tgcgttggaa caggatgcct ccaagatgat tgaggatggg 300
aaaaccaggt tccctgagaa cgagccatta tttcagttgt tgagtgcatg gaacgaccta 360
aaagattttg gcgttgacga ttcgacatat tttgaggatg tgaagaaagc aagttttgag 420
ttacaggcgg tgttgacagc attgtatttg gtgaagtttg ataaagatat tgatcaggca 480
atcacgtttt tgagtgatta tattgataat gtgaattcgt tggccaagta taacgagttg 540
gagccgtttt tggtgttggt gcagtttcac ttgatcaagg gttttcacaa cggcgtggaa 600
gatccgcaat tg 612

<210> 21867
<211> 819
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (107)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21867
aaacatagga gtactgcaga cagtttttg tcgcaacagg tagacgaaaa gccatgggtg 60
gatgcactgg acaattcatc agttcaagaa tatcaaggtt ttgatgntac tgcaagtcac 120

aacatccaag atttagccag aaaattgacc catggttcta caaatggtga tcaccattct 180
gcaaatgatt tagctagata tttgagccac atgtccgaca tacctggtgt tagtccattc 240
aacggcaaca ttagtcatga acaattagac ccagattccg aaaatttcaa tgccaaatac 300
tgggtgaaaa acttgaaaaa attatttgaa tctgattctg attattataa gccatcgaaa 360
ttaggggttg cctatagaaa tttaagagct tacggtattg ctaatgattc tgattatcaa 420
ccaactgtga ctaacgcact ttggaaattt actactgaag caatcaataa attgaagaaa 480
ccagacgact caaagtattt tgatattttg aaatcaatgg atgccattat gagaccaggt 540
gaacttactg tggttttggg gagacccggt gctggttgtt ccacattgtt aaagaccatt 600
gctgttaaca cttatggttt ccacattggt aaagaatccc aaattactta tgatgggtta 660
tccccacatg atattgaacg tcattaccgt ggtgatgtta tttattctgc tgaaaccgat 720
gttcatttcc ctcatttgag tgttggtgat actttggaat ttgccgctag attaagaact 780
ccgtcttcta ccacgggcgc tggaaggtcc gcgacttga 819

<210> 21868
<211> 186
<212> DNA
<213> A.fumigatus

<400> 21868
ccctcccata tatacacacg aaacatgaag attaatactc ccccccctaa ctcctttatc 60
tacttttatt ttccaaaaaa taaaaaagaa tataaatatc ctataattat caataatttc 120
aataatttaa aactaatcat ttcttcctta cttcaaagtc aagtattaag aactctccat 180
gtctaa 186

<210> 21869
<211> 228
<212> DNA
<213> A.fumigatus

<400> 21869
ggcaaattat tctcctcaat ttatacatcc acatcatggt ttaggatcta ttacttctac 60
ttatacacat tttttatttc tttttatctt tccttccttc cttccttttct tgcttcttct 120
tttgtaactg aagttaattt gggtgatccc caagataatc aaaaactaaa caatagaatt 180
attcaagata agctattagt cttcagccgg ccgtggaaga tacgcact 228

<210> 21870
<211> 729
<212> DNA
<213> A.fumigatus

<400> 21870
tatggatgtc gaggcgtgtt gaaaattcaa gaacaacagc aacaacaaca acaactgcag 60
caactactgc attatcaaca acaagatttt ggatataatg gttcacaaca atcatataat 120
aataataata ataacaatag caacatcaat actcaacaac agcataataa ttcctccaaa 180
ccaccacaaa ttgaagaatt ggtgaaacaa tataaattac caatgaaacg tgcagcacaa 240
ggtgaaacca gtgatgctag tgataaacca actactgata catcaccaac atcatcaatt 300
aaatcatttc ctgaaatatc gatggttacc gataatttaa ctaataaaca agattttatt 360
gataattttg aaccaacaca attatttcct aattttagta tacctccaac aagagcccaa 420
tcgccaactc caaattatga agatcataat gataatggga ttggtagtaa tatttatgga 480
ttcatgaatc aagaaatgac catgagagat attgtggcac catcacaaca ggaacaacac 540
caacaattcc ataatgatgt tattggtaat ggtcaacatc aacatattaa tggtgataat 600
aataatcgtg atccacatac accaggtttc caaactaatt ttatcgatag tgcatttaat 660
tatttgaatt tacaatcagg tattgatatg aatgaagata ttcattcatt atttcatatg 720
atgaattga 729

<210> 21871

<211> 495
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (86)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21871
caaaaatctc gtacggatac atatgttaaa cgatttgtaa catttttatg tcttttatcc 60
accatatcat tacaaggtac caccantact accaccacca ccaatactat taatgttaat 120
aaagatattt tgaatggtga atttgtgatt caatttttgg aatcagttca atcaggtctt 180
ttccaacaaa ttttaacatc atttatatta ccaacttcat caattttaac taatttacaa 240
gataaaaaat tagttaatat tggattatca caaattttag tgacaatttc aacaacttct 300
gaacaatatg cccatttgac tccattaatt ttagaaactt taatatctaa tttgaattct 360
tatgaaggta tttcaaagag ctcaaccaat aacaataaca atggaatcag tagtagtagt 420
agtactattg ctactactat ctctggtggt caacaaccat tgatatcttc accacggcgc 480
tggaaggatc cgcac 495

<210> 21872
<211> 195
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (47)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21872
atggaggatg ttccaagaat tttttcttta aacctttca aaaatgncat ttttaattgg 60
aaaaaattct taaacaacag ggatacccgg aaattattaa aatttgattt cacccttat 120
attcacttct ggtatggcat attctgggaa tatctcaggg ataacaagat tattaattgt 180
tattttggaa catga 195

<210> 21873
<211> 249
<212> DNA
<213> A.fumigatus

<400> 21873
acgtggtttt ccacccgtgg tgagacctct ggctcttcca gcaagacccc agctcttgat 60
atcaccctga gccaggtcaa caacacccgg attaaggccg tggtcaagaa cagtggcact 120
gagaaaatca cttttgttca cctcaacttc ttcaacgatc ctagccctgt taagaaggtt 180
tccctctacc gcaatggtat ccttctccct ttcccgtcaa tgtccctgtt gcccaggaaa 240
catcgctaa 249

<210> 21874
<211> 558
<212> DNA
<213> A.fumigatus

<400> 21874
gttcaagcca ccgaggttga gttcactggg atcaagcagc gcctccgcag tgatggcctc 60
tccaacgacg ccctgaccac cctcgcaccc ggcgccacct acgaagacga atttgacatc 120

gccagcaccg ccaatctcac ccaaggcggt cccgtcactg tccgcacaca gggcttcgtc 180
cccatcgcta tgaataacaa gatcgctggc tacatccctt attcctcgaa cgagctcgaa 240
ctcgaggtcg atgccgagaa ggctgtcgct gtgcccgcga gcatcaagcc cctcgatcgc 300
cgcacaaaga tcacctcgtc ctgcactggc aaccgtgcta cagtccttaa cacagccctc 360
cgtaacgccg cctcaatcgc cagtaaagcc gccgatgccg cgtcgtcagg ctcctccgcg 420
ctcttcaccg aatactttaa gtcaacctcc ggcaacatcc gcagcgccgt cgccgcgcgc 480
ctcaaagctg tccccagcga agcctcaatg aaccggggtg gctcaactaa ctataacggc 540
tccgacccct atgggtaa 558

<210> 21875
<211> 243
<212> DNA
<213> A.fumigatus

<400> 21875
atgttatggt cgttgttggc taaaatggat atgcgacatc actgtcatca ctacttacat 60
ttctctcctt cttttagcat taccacccac atcttcttca tccagactag attcgcttcc 120
atcataaaga tcatccgttt cagtttttt aaaacgagga tcaaagaacc caccttaca 180
gaccaaacgc gaagaacgtt tagatatttc cgtcaatgtt ttatcaaaat cgttaagatc 240
taa 243

<210> 21876
<211> 789
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (32)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21876
gtgcatgttt ttttattatg gatacctgtt tnttcgagcc agaaaattga attccacaat 60
atgccaaatg gatcaccaaa gcatcacatt ctagatgagg atgtattatt gggaataagg 120
tatcttagag atggagaatt agattatcat cccactaaac cattaccaca tcaaaaccat 180
ttcaaagatt tttgcattaa atataacaaa gaccccaaat taggagattt gaatcaaatt 240
gataaaatcc cctgtgaaat tctacatcag tttaccacta agagttgttg gacacatgtt 300
ttaatattat tttgggttca attcacattt gcgttcaaat tatatgctac attaaatact 360
tttttatttg tctttattaa aaagttcaga ggtagtccat tgaagtattt atataaaaca 420
attagatcag cttcattttt aggtgcgttt actggtatac attgggcagc tttctgtttc 480
attagaaatt atcatccaaa ttggttcgga caaaaattct gggatattct agcccctaaa 540
gcagggtatg cattatgtgg gaccagtatt ttattggaat acccaagtcg tcgtaatgaa 600
ttatccttgt ttgtattgcc caaggcatta gggacttta ttgatccaac cccaactgaa 660
tcgaatatag caaccgaggt gatagctttt agtttaagtt tcgcagtatt aatagcttat 720
gctagactgc aaccaagtaa attaagaggg ttagtgggta aaggattgag ttatatggtc 780
aaacattaa 789

<210> 21877
<211> 297
<212> DNA
<213> A.fumigatus

<400> 21877
cgaattatag tctatataga atctaataaa tgcgtgtccc catttctcac gctttcccga 60
aattatccat catgtccaac aacgaatcga tatcgtcttc tggcgcttca gacttcagct 120
gagatccatt ttgatgggct tcaatccagt tcgctacatt gtcgacatac attttggagt 180

tcggaaaaaa gtgaactcct ggatgcttcc aaatatcgga agaatgattc gtttgtgcat 240
acaacgaata gccccgattt tctgctaaca cagtgtccaa ttctcccaac acgttaa 297

<210> 21878
<211> 573
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222>
(1),(2),(3),(4),(5),(6),(7),(8),(9),(10),(11),(12),(13),(14),(15),(16),(17),(18),(19),(20),(21),(22),(23),(24)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21878
nnnnnnnnnn nnnnnnnnnn nnnngaagac gaaaagggga aacaagtaaa gttgcagaaa 60
catgccagtg aagtttatca aggtgagaga actgtcaagt caatcaccaa gtttttaact 120
tcaagattga aaaattatgt gaaaaagttt cacaacatca gaagtgatgg tattgctgaa 180
tggttggcag aagatatacc ttctgtttta cttatttcca atgcaaatct ggttagtcca 240
ttgttgaaat ccatagccat tgattttctt gaccgtgtca acgtcggaat gatatccaaa 300
tttaatgatg agtcgcataa atttgttatt ggcgataaag aaattgaagt tccagctacc 360
tccaaatcga gcttgttcta ttttaataag gaaaagggag agttggtggc ttatactaaa 420
tctgacaaat taaatgacaa gatcaaaata actgaatgga taatagaaca aacccagcaa 480
caaccaatag aaggcccatt atccaagata gataagaagt attactacaa atatagaaca 540
ggaaaaaaga aaatagaaca tgacgaatta tag 573

<210> 21879
<211> 318
<212> DNA
<213> A.fumigatus

<400> 21879
cgaccagtaa cggggaatat taccttcaca cggaaggggg aagttaaaag tgtggttttc 60
aatattctta acgtgttggg agaattggac actgtgttag cagaaaatcg gggctattcg 120
ttgtatgcac aaacgaatca ttcttccgat atttggaagc atccaggagt tcacttttt 180
ccgaactcca aaatgtatgt cgacaatgta gcgaactgga ttgaagccca tcaaaatgga 240
tctcagctga agtctgaagc gccagaagac gatatcgatt cgttgttgga catgatggat 300
aatttcggga aagcgtga 318

<210> 21880
<211> 222
<212> DNA
<213> A.fumigatus

<400> 21880
tttgtcagat ttagtataag ccaccaactc tccctttcc ttattaaaat agaacaagct 60
cgatttggag gtagctggaa cttcaatttc tttatcgcca ataacaaatt tatgcgactc 120
atcattaaat ttggatatca ttccgacgtt gacacggtca agaaaatcaa tggctatgga 180
tttcaacaat ggactaacca gatttgcatt ggaaataagt aa 222

<210> 21881
<211> 381
<212> DNA
<213> A.fumigatus

<400> 21881
caggttatgt ttctcgagag ggagacggat gatatcatcc agctcgttca gatgtcattt 60
tgccctggcg agggcagtcc ggtagggcta acaccttcac acgagggttc ggccgagttg 120
accaatggga ccaacaagac ggatagtact acggggcaac aggagctcga gaataacctc 180
acggatgtag tttgtgaatg tttgggactt gagattcagg atgtggacgc ggacaagtct 240
ttctgggacc ttggggccca gagcatggat gcactgaaac tacaacacct atgcgagaaa 300
cgggggggtca gggttagact gcgggatata tttgtttcta ggagtctttt ggagttggca 360
acctgcgctg tcattatttg a 381

<210> 21882
<211> 363
<212> DNA
<213> A.fumigatus

<400> 21882
aagtttttgg aacaccagat agtgagctgg gatttcagca attatttctc caatggaatc 60
aagggatctt ggaggaccaa tgactttgtt cgtttgatgg aaagacgaat ggaactggaa 120
gtggtctatg ggcactcgtt agagacaatc accacagact gtaagccact ctataagaga 180
caattgaacg aagactttgt gtccaccatc aaaaatgcat acaccaagat gaatgagact 240
ttttacaagc aaggggaata ccatttgaac attgctgaca acattgaaac cattgttctc 300
caaccattta gcaagtggtg taccgagcac gagcagagag tcaagttata tgaatccact 360
tag 363

<210> 21883
<211> 492
<212> DNA
<213> A.fumigatus

<400> 21883
caagacaaat taaaggcatt gaaaaatgct cagtatctgg tggaaaaatt gcaaaagaag 60
tatttcaaca aatgtcgaat gttggaggag ttcaagtccc actatactga aaaagaattg 120
caagaggagt taaacgattt gtcatttcaa aaagatcgag ctgccaaaac caatactgat 180
gggagcaaag aggaagacga caatgatact gcagacgaag aaatctatga gttcacacat 240
gctaaatacg acaccaaaca gatgaaggca ttgctcaagg caatgcttac agaagtcccc 300
atgggtccac acaaggtggc aattttaggt acctatcaaa atgtttctac tgggagcaac 360
atcaccaaat ggttgctaga aaacatgccg gagttcaaca agaatttgga caaggctgaa 420
gtttttgggc aagatttagt tcgaaatgac tttgtcttct accacgggcg ctggaaggaa 480
ccgcacttgc ga 492

<210> 21884
<211> 756
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (211)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21884
accggcaagt ctaccactaa aaataagaat ccatttgatc taattatgtc tagtgaacat 60
tcaaaatcat ttgatgggga tcttacttca catagaagtg tcgaatatta tgatgattcc 120
atgaatagtt ctgggctgcc attcaatttc ttggctccat cacaagtcag aggatctaca 180
tttataatgg attctaatat ctccactatc nacaacatca aagttatttg tcgatttcga 240
cttgaaattg aaaaggaact acaaaagggt aaactgattg ttgaatttcc aaacactcaa 300
actgtgacat tatatggaaa ggattacaca acccattatt cttttgacag agtattttcc 360

cctgaagcaa gtcaattaga tatctaccaa ttctccattg ccgaaacagt cgatgattta 420
ataaatggtt acaatggtac tgtcttggcc tatggtcaga ctggttcagg taaatcgtat 480
accatgttgg gtggaccaca attactggat cctaattcca aaggtattat acctagaata 540
tcccatgaaa tatttgagag aatttcggca aatgaagccg tgtcgtcaga ggtggaatat 600
tctgtgtgtg tttcgtttat ggaaattcat atggaacaaa ttcgagattt aatcgatgtt 660
gtcaacaatg aatttgatca taaattcact atacatgaag acaaactgaa tggtatatat 720
atcttcaccc acgggcgctg gaaggaaccg cgatat 756

<210> 21885
<211> 489
<212> DNA
<213> A.fumigatus

<400> 21885
gcaagtgcgg accttccacg ccgtggtgaa gatgtctctt acttgaaatt gagaccagac 60
agggttgctt gtcaagatgc taccgcccaa atggccattt tgcaatttat gtccgctggt 120
attccacaag ttgccactcc atctactgtc cactgtgacc atttgatcca agctcaagtt 180
ggtggtccaa aagatttggc cagagccatt gacttgaaca aggaagttta cgatttcttg 240
tccactgctt gtgccaaata taacttgggt ttctggaaac caggttccgg tattatccat 300
caaattgttt tggaaaacta tgccttccca ggtgctttat tgattggtac cgattcccac 360
actccaaatg ctggtggttt gggtcaattg gctattggtg ttggtggtgc tgatgccgtc 420
gatgtcatgt ctggtttgcc atgggaattg aaagctccaa agatcattgg tgttaaattg 480
aacggttaa 489

<210> 21886
<211> 255
<212> DNA
<213> A.fumigatus

<400> 21886
atgtctggat ggacttctcc aaaagatatc atcttgaaat tggctggtat tactactgtc 60
aaaggtggta ctggttctat tgtcaaatat ttcggttctg gtgtcgacac cttctcctgt 120
accggtatgg gttacatctg taatatgggt gctgaaattg gtgccaccac ttctgttttc 180
ccattcaacg actccatggt tgactacttg aacgccactg gtagatctga cattgctcaa 240
tttgccccag tttaa 255

<210> 21887
<211> 462
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (439)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21887
gggaaaaaag tggatgagtt gaatggagat attgagttca agggaattga tttcacatat 60
ccatctcgtc cggagtctgg tatttttaaa gacttgaatc ttcatattaa gcaaggagaa 120
aatgtttgtt tggtaggacc atcgggaagt gggaaatcta ctgtgagtca attgctcttg 180
agattttatg accctgaaaa gggtactatt caaattggcg atgatgttat tacagatctt 240
aacttgaacc attatagatc aaaattggga tacgttcaac aaaaaccttt gttgtttagt 300
ggtactatca aggaaaatat cttgtttggg aaagaagatg ctactgatga agaaatcaat 360
aatgctttaa acttaagtta tgcttctaac tttgtcagac atttaccaga tggtctagat 420
accaagattg gtgcttcana ttctacgcaa ttgagtggat ga 462

<210> 21888
<211> 288
<212> DNA
<213> A.fumigatus

<400> 21888
ctaaaacaga gagtgtcttt agcaagaaca ttgatacgtg accccaatat tttaatttta 60
gacgatgcaa cctcagcatt ggattctgtc agtgaagaaa tagttatgct gaatttgatt 120
caattgaata agaatagacg tgtgacattg atttcaattg cccatcgttt atcgacaatt 180
aacaatagtg atagaaatat tgtgttcaac caagatggcc agatagtaga cgattgtaat 240
ttcatgaatt gcataatgat cccaacgtcg tttcataaat tgttgtaa 288

<210> 21889
<211> 441
<212> DNA
<213> A.fumigatus

<400> 21889
cgttcctctt ttagcactgc caatttttcg ttgttcaaaa gctacacctc ttttttttt 60
cttttctttt tcttgaaaaa caccctacca tcaaacatga cagatactcc aactgaaggg 120
gcttcatatt cagagcaaat attggaatct gcaagaagaa ataatacaga attgttactt 180
tccatcaaag ttgagttaaa caatgatcaa gaaaagtggg cagagttgat caataccacc 240
aaagaagtga taactgacaa tactcctttg cacctagcat gtcaattggg aaactgggag 300
tttatagata tagtattgga catgaaagcg tttgagattg atccgcaaaa cagagaagga 360
gaaacccatt acatgtggct gttaaatata ccaacaacga agagcctgaa cacggatact 420
ttattgttga ccatatgcta g 441

<210> 21890
<211> 207
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (95)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21890
ttgagttgtt ggagagtgca tagtatgcga tttctatgga gcccaactga tgctgaaact 60
ttggctgaat ttgaaaaatt aaaggtctgg atcantaccc tgattaggtt gtttttttaca 120
ttatttaccc ttatattaca aattgtcagc aattataaga aaacccattc ttttaatttt 180
ttccgggctg gcatccttaa tgcctga 207

<210> 21891
<211> 192
<212> DNA
<213> A.fumigatus

<400> 21891
tctttgggct ataagtggtg tttgtctttg attcttggat cggagcatgc gtctagcata 60
tggtcaacaa taaagtatcc gtgttcaggc tcttcgttgt tggtatattt aacagccaca 120
tgtaatgggt ttctccttct ctgttttgcg gatcaatctc aaacgctttc atgtccaata 180
ctatatctat aa 192

<210> 21892
<211> 558

<212> DNA
<213> A.fumigatus

<400> 21892
gatacccgtt ccggtgccgc ggctgggggc ggggaagacc tcgggggtgt aggcgtagag 60
gacgccgtac atgatgttct ggaagaaggc ctcgaggcag ctgcagacga gctggacgtt 120
ggagttagtg gaggcggtga agcagaagag gaggacgccg gtgatgaggg tcgagatgac 180
cattgtgcct ttgcggccga tgtacttgat gtcgacggtg tagcacgcca ggatggagcc 240
tggcacgccg acaatggaag tgatggcgta gttgcggtag gtgacgtagg tggaggcctc 300
ggtggagccg ccggcgtttt tgatgtactg gggcaggaac gcgttgaaga gggggtagcc 360
cattccgatt gtggtccagc agaaccagag gataaccgct gttggagaca tgttagccat 420
ggcctatcta gactcggcag gaggaagggg ggtggggaaa gggttggcgc tcatactcgc 480
tactttgcgt ttttttttctt ttccatttac gtgtatgtat cgcgctacga tcaattgtta 540
gcgggcgcat tgttataa 558

<210> 21893
<211> 483
<212> DNA
<213> A.fumigatus

<400> 21893
gcgccaaccc tttccccacc ccccttcctc ctgccgagtc tagataggcc atggctaaca 60
tgtctccaac agcggttatc ctctggttct gctggaccac aatcggaatg ggctaccccc 120
tcttcaacgc gttcctgccc cagtacatca aaaacgccgg cggctccacc gaggcctcca 180
cctacgtcac ctaccgcaac tacgccatca cttccattgt cggcgtgcca ggctccatcc 240
tggcgtgcta caccgtcgac atcaagtaca tcggccgcaa aggcacaatg gtcatctcga 300
ccctcatcac cggcgtcctc ctcttctgct tcaccgcctc cactaactcc aacgtccagc 360
tcgtctgcag ctgcctcgag gccttcttcc agaacatcat gtacggcgtc ctctacgcct 420
acacccccga ggtcttcccc gcccccagcc gcggcaccgg aacgggtatc tcaagctgtc 480
tga 483

<210> 21894
<211> 603
<212> DNA
<213> A.fumigatus

<400> 21894
gccatggcta acatgtctcc aacagcggtt atcctctggt tctgctggac cacaatcgga 60
atgggctacc ccctcttcaa cgcgttcctg ccccagtaca tcaaaaacgc cggcggctcc 120
accgaggcct ccacctacgt cacctaccgc aactacgcca tcacttccat tgtcggcgtg 180
ccaggctcca tcctggcgtg ctacaccgtc gacatcaagt acatcggccg caaaggcaca 240
atggtcatct cgaccctcat caccggcgtc ctcctcttct gcttcaccgc ctccactaac 300
tccaacgtcc agctcgtctg cagctgcctc gaggccttct tccagaacat catgtacggc 360
gtcctctacg cctacacccc cgaggtcttc cccgcccccа gccgcggcac cggaacgggt 420
atctcaagct gtctgaaccg cattgctggg ctgtgtgcgc ccctcgtcgc catctacggc 480
gggagctcaa accccaactc ccccatctac gcctctggtg gactcatcct tgcgtccttt 540
gtcgcaatgt gctgtcgtcc tatcgagacg gtcttcaccg cggggctgga aggagccgct 600
cca 603

<210> 21895
<211> 693
<212> DNA
<213> A.fumigatus

<400> 21895
agattcaacg gtgggtccac tggtaactct tccatgcgtt catggtacgc ctgtgtcaat 60

accaatcttg ctgccgcaac tggtgggttg acttggatgc ttgtcgattg gttcagaaca 120
ggtggtaagt ggtcgactgt tggtttatgt atgggtgcta ttgctggtct tgttggtatc 180
actcctgctg ctggttacgt tcccgtttac acgtcagtaa tcttcgggat tgttccagcc 240
attatttgta actttgcagt agacttgaag gacttgttgc agattgatga tggtatggac 300
gtgtgggcac tccatggtgt tggtggattt gttggtaact ttatgactgg gttatttgct 360
gcagactacg ttgccatgat tgatggaact gagattgatg gtgggtggat gaaccaccac 420
tggaaacaat tggggtatca gttagcaaga aactgttgca tcgctgcctg gtccttcact 480
gtgacgtcca ttattttgct tgccatggac agaatcccat ttctcagaat ccgtctccac 540
gataacgaag atatgttggg atacgacttg gcccaaattg gtgaatatgc ctattatgct 600
gatgacgatc ctgataccaa cccatacgtc ttggaaccta tccgttctac tactataagc 660
caaccattac ctcatattga tgctgttgct tga 693

<210> 21896
<211> 732
<212> DNA
<213> A.fumigatus

<400> 21896
cccggtattg ctccttccag ggccggtctg ataattaaaa aacctcatga tccggcccaa 60
caacaacaag agctacagcc ccaggatcaa tcacaatcca ttgaatcaat tgttacttca 120
tgttttgaaa gtttacaaaa aaatggattt ataaattatt ttggaatgca aagatttggt 180
tcatttagta tatcaactca tgaatttggg aaatttattt taaatgaaaa ttggcaagaa 240
tttgttgaat tgttattatc tgatcaagaa tcagttgcac ctggttcaat tgaagctaga 300
aaaatttgga aacaaactag agatcctaaa ttaactttga ataaattacc tcattatttt 360
gttgctgaaa ctgccgtttt aagagtttta caaaatgaat caccgcaaca aaaagatgac 420
aacaataccg tttattcttc aaattcttat cttaaagcca ttcaagcaat tccgaaaaat 480
cttcgtatga tgtatggaca tgcatatcaa gcatatatgt ggaatttagt agcatcaaaa 540
agaatcgaat tatatggatt aaatttaatc gaaggtgact tagtgtgtga agaccctatc 600
actaatcctg acattgttga tgaggatgta gtttatctta atgaagctaa agttagatca 660
ttaacaaaac aagatattga atcaggtaaa tatactatat ttgatgtgat attaccatca 720
ccaggttgtt aa 732

<210> 21897
<211> 816
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (546)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21897
ccgtcctttg aaaatttaaa tatcccttgc atatatatat cgattcaagc agtgttgtca 60
ttccctgctt caggtaaaac tactggtgtg gttatagaca gtggtgatgg ggtgactcac 120
gtagttccag tatacgaagg atttgcattg ccgccgtcaa taaagagaat ggatattgct 180
gggagagata taaccgaatc tttggcattc aatattcgaa gaatgacagg ggttgcgtta 240
cagagcagtt ctgaattgga aattgtcagg ttgattaaag aacaaaattg tttcatatca 300
aaggacccgg taagagatga aaagaaatat ggaagtcatt atagtagaaa taaccctaat 360
aacgaattga tgtctactta taaattgcct gatggacatg aaattcaatt gggagttgaa 420
agattcagag ccacggaaat gttgtttaat cctcaactca ttggacatga gtcacctggg 480
attcatgaat tgacttcatt ggcaattgcc aagactgatt tggatttaag atcaactttg 540
tatcanaata taatattatc tggtggcaac actttgttaa agaatgttgg tgatagaatg 600
ttgaaagaat taaaagatct acaacaacca ctacgagaag atcgaaaaat gagtatgtgg 660
aataagaatg ttcaaaatga tgtgtataat acgaaaatga aagtgaaaat ctactgcaca 720
ccggaaagaa agtattctac ttggattggt ggttctatat tggcaggggt gtcgactttt 780

aaaaaaattg tgggttacat cggaaaaatt tcatga 816

<210> 21898
<211> 219
<212> DNA
<213> A.fumigatus

<400> 21898
cttccatatt tcttttcatc tcttaccggg tcctttgata tgaaacaatt ttgttcttta 60
atcaacctga caatttccaa ttcagaactg ctctgtaacg caacccctgt cattcttcga 120
atattgaatg ccaaagattc ggttatatct ctcccagcaa tatccattct ctttattgac 180
ggcggcaatg caaatccttc gtatactgga actacgtga 219

<210> 21899
<211> 219
<212> DNA
<213> A.fumigatus

<400> 21899
tttaccatat gcttttcctt ttttttaaa atgggttcca caatttgttc taataaagaa 60
agtaaaatta accgacagat acatatgtta aggcgatctg cttgcacttc aaaaattgtt 120
ctagatcgct ttttttgggc ttctggggtt tataatttcg ttgtttttac aaccaaaaag 180
gtaacgtttt attggattta ctacattaac caaataatc 219

<210> 21900
<211> 795
<212> DNA
<213> A.fumigatus

<400> 21900
tcgcggtcct tccagccccg tggtgaagac atgttaagat caactactcg taatacatta 60
cgtttggcta ctagatatac taaagtttca tcaagtatca ttcgtcacac tttaccaaca 120
atgtttggta gtagtactgg tggtagtggt ataagatttg catctcaatt ggctcatgtt 180
aaaaccccac caaacttaca aaatgaacca gttaaaaatt ttagtttcaa agatactaaa 240
gattgggatt tattaagagc ttcaattact aaattcactg atgaaggtgc tttaaaagtc 300
ccattggttg ttggtggtaa gaagatttat cgtgacgaaa tcaaaactca agtaaaccca 360
gctaaacact ctcaagtttt agctgacgtt tctcaagcta ctccagaaga tatcattgct 420
gctattgatg ctgctaaagc tgctaaagcc aaatgggcaa caacttcttg gactgacaga 480
gctgctattt ttttgaaagc tgctgattta atttctacca aatatagata tgatatgttg 540
gctgctacta tgttgggaca aggtaaaaat gtttatcaag caaaaattga ttgtgttgct 600
gaattgattg atttctttaa atttaatgtt aaatatgctg aagaaatgta tcaacaacaa 660
ccaatacaaa cttctcctgg tgtttggaac cgtgctgaat ataaaccttt ggaaaggttt 720
tgtttatgct gttactccat tcaatttcac tgccattgct gccaatttgg ttggagctcc 780
tgctttaatg ggtaa 795

<210> 21901
<211> 234
<212> DNA
<213> A.fumigatus

<400> 21901
ttgatttctt taaatttaat gttaaatatg ctgaagaaat gtatcaacaa caaccaatac 60
aaacttctcc tggtgtttgg aaccgtgctg aatataaacc tttggaaagg ttttgtttat 120
gctgttactc cattcaattt cactgccatt gctgccaatt tggttggagc tcctgcttta 180
atgggtaaca ctgttgtttg gaaaacatct gctacacccg cattatccaa ctaa 234

<210> 21902
<211> 216
<212> DNA
<213> A.fumigatus

<400> 21902
acaaaacctt tccaaaggtt tatattcagc acggttccaa acaccaggag aagtttgtat 60
tggttgttgt tgatacattt cttcagcata tttaacatta aatttaaaga aatcaatcaa 120
ttcagcaaca caatcaattt ttgcttgata aacattttta ccttgtccca acatagtagc 180
agccaacata tcatatctat atttggtaga aattaa 216

<210> 21903
<211> 207
<212> DNA
<213> A.fumigatus

<400> 21903
aatgcaatca aatttaatga agctagattc aatgcccagt tatcgtactt taccaaaagc 60
aataaagcta agtacacatt aacagacaac actatcacgg gagttgacga agccaccaca 120
ttaaaaacaa actcccttgt tttgtttgaa aacgaagttt tccttttctt tttactagtc 180
ttatcttcat ttggagactt aacataa 207

<210> 21904
<211> 858
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (354)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21904
caaatatcaa agatcacggt tttgaaccca cagattttat ggagatttat aatttctttg 60
ttgatagtaa ctgatgataa ccacgaacaa ttatgtttta ttagctcatc aatattgatt 120
aaactgttga agttagtgcc gttattatta ggatcaactt gcagagtaac caatgattca 180
cttgagacgt tattgactgc gttattgaat cgtttatcga agaaatgtga tacaattata 240
cacacccaca taactgtctt attcccgtcc tcaagtgatc aaatactaca ccaaatggca 300
ttcgaagatt cttgtttgcc caatatcgat ttaaataaat ccattcttga gaanacagtt 360
gactcacaac tattgttaga gtttataact tgtacagctc aaattttgag ttttatgaaa 420
tccaatgact atgatatttt aacggcattc caaagcaatt atgttaagtc tccaaatgaa 480
gataagacta gtaaaaagaa aaggaaaact tcgttttcaa acaaaacaag ggagtttgtt 540
tttaatgtgg tggcttcgtc aactcccgtg atagtgttgt ctgttaatgt gtacttagct 600
ttattgcttt tggtaaagta cgataactgg gcattgaatc tagcttcatt aaatttgatt 660
gcattttatt taaagaactt gaaaccttca caagatggag acaaagcctt gattttaga 720
agttataaga aattattccc ccgaattatt tcaatgctag aattgaaaaa tgattatact 780
ggatgcatga acaaaaaaac gaaaaatcca acttcatctg cttctgtatc ttcaccacgg 840
ggctggaagg aaccgcac 858

<210> 21905
<211> 213
<212> DNA
<213> A.fumigatus

<400> 21905
agaatcacgt ttttgtcttt tattaggact aattgtcatt gtcgagagag aatagtggat 60

gtcaatgatg gaaaaacaac aatgctgaat aaatttttta gatttgaagg agaaggattt 120
atgacatgtt tatatagttg gatttccaaa ataacgaaat ttcaatcaac aatttgtaat 180
aatgaaaaaa taccacacaa tcaaaaatgc tag 213

<210> 21906
<211> 423
<212> DNA
<213> A.fumigatus

<400> 21906
acatgtcata aatccttctc cttcaaatct aaaaaattta ttcagcattg ttgtttttcc 60
atcattgaca tccactattc tctctcgaca atgacaatta gtcctaataa aagacaaaaa 120
cgtgattctt catcacctaa aaaacacctc atcctcaatg catttgatat gatgtgtcca 180
tcacttcaaa ctgcgggatt atggagtcat cctgaagata aatctcgaga ttataatacc 240
attgaatatt ggactaattt agctaaatta ttggaaaagg ggaaattcaa tgctcttttc 300
attgctgatg ttttaggtgg ttatgatgtt tataatggac ctcgtaattt aactgctgct 360
gctaaatctg gagctcaatg gccaattaat cttctaccac gggcgctgga aggaaccgca 420
ctt 423

<210> 21907
<211> 330
<212> DNA
<213> A.fumigatus

<400> 21907
aataatatac gttcattatt atatttcgaa ttaatactta acctgggagt tatactatta 60
attaacttta tgtgtcaaga tatgttatcc ttctatgtat acttcgaaat atcattagca 120
cctttattta tccttattgg tttatatggt gctaataata gagataaagc tgctgattat 180
atactaatct atactttatt tagtagtcta tttatgttat tagctatagg tacatatgaa 240
gtattaatag gtaatactga ttatcaagct gttagtctag ttgtactgtc aactgatcta 300
cttcttcacc acggggctgg aaggaaccgc 330

<210> 21908
<211> 783
<212> DNA
<213> A.fumigatus

<400> 21908
gtgtggtcct tccacgccgt ggtgaagaat gaatcaataa atccgcaaca taggaattta 60
tttgcaaaat ttgattttaa attattagct tcacttttca attcatttaa tgagtttatg 120
ttgattgatg ccgatacaat cttgatgaaa tcaccagaat ttttcttcaa tcatcaatca 180
tatcaacaaa ctggagcatt ttttttcaaa gatcggtcac cattacttaa acgtccaata 240
accgatggag aatttcttat caaaatggga ccatcatcaa tcgattcaat tatgtttgat 300
atcccaatga tgacacaata tacaacccat agagagttgt ttaaagggtt acgtctatat 360
atggaatcag gattagttat gatagataaa caacgacgac gtcatttcaa ttcaatttta 420
atgatgaatc aacttaaatt cattcatcca atttccaatt caatgtgggg ggataaagaa 480
ttgtgttggt taggatttgc catccatggt gatgaacatt ataaatttaa taatcatttt 540
gctgcagcaa ttggtcaatt aacttcaaat caatataata aagacagaag aaccccatta 600
aaatctaaag aaatatgtgc ttcacatccg ggtcatataa gtgatgaaga tgatcgaagt 660
gtattatggt ttaattcagg atttaggttt tgtcatgaag caaacaatat tgattatccc 720
gaagagacta gaaataatgt aatattgaaa tttcttaatg gtcgtcatcc attggaaatt 780
taa 783

<210> 21909
<211> 234
<212> DNA

<213> A.fumigatus

<400> 21909
caccgactgt acattaaaca tcatttcaga tatccattag tggtgcagtc tgtagcgatt 60
ctttatataa ccgacggtct tatcacatta accgttttca ctaatgtcgc cgtatccacc 120
cgacctaccc taagtatgtc gggtgactat actaatcgtc tttcgattat acctctatat 180
aatatgccct ataaaagtta ttattatatt ataaatgatt atttatcaag gtaa 234

<210> 21910
<211> 435
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (291),(295)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21910
aaaatttcac ccattataga tgaattaagt gaattattta ttgattatcc tgagattcaa 60
ataattaaaa ttaatggtga taaagatggg aaaaaaatga gtaaaaaata tgttgatatt 120
ggatatccga cattattatt tttttatgat gatgggagga aaattgaatt tgatggaatt 180
agagatttga ctagtgtaag taatttttatt caacaattaa gtgggattag attaaatgaa 240
agtaaatcaa ctgataacca tgacgaagaa gaagagaaca ctgcgaagac ngaangtcct 300
tttagtggta gtaatagtaa tgtcaacgat ggcgatgaag aaacgaccca ttggatgaat 360
ttgaatccgg aaaatttgaa taaaaaattt tccaatccac aatttctttg gtttcatttg 420
gaacatcctg gtgtc 435

<210> 21911
<211> 531
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (285)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21911
gtcatggtta cctcttcaac agccaatgat aataataatg aagatcccat aatttctaaa 60
aattgggtat gggtacctaa tcaacaagat ttattcacta aaggttatat cactgactat 120
ttacctgatg gtaaatgtaa agttaatgtt gtcaaaggtc aagaatcatc ccatgattca 180
acaataatcg tggatcaaga taaattggaa aactgtaatc ctgtgaaatt caataaatgt 240
gaagatatgg ctgaactaac tcatttaaat gaaccatctg tcgtntacaa cttgtatctt 300
cgatatttag acgatttgat ctatacttat tctgggttgt ttcttgttgc catcaatccc 360
tataaactgt taaccattta taatcaatca attttaatga aatatcacca atataataac 420
gtgactacaa acaaaaatga ctaccaatct aaaaacggct ccaactgcaa ctactacaaa 480
caaaggaatt caccgccaca tttttgtgct gttgccgaaa tcgactttta a 531

<210> 21912
<211> 219
<212> DNA
<213> A.fumigatus

<400> 21912
tcaccatgtc aactgttgaa aattctaata ccaaatttca tcaccctact tttcaacatc 60

aaccacaacc acaatcttgt tcttataacc cgtcttcaac aattccaaaa ttatctattc 120
ctcaacactt acaaatccaa aaacctaacc actagtttta tcaaccatat ccccagctac 180
ttcaacacaa ctacagccct ggtgtcccat ttaataatc 219

<210> 21913
<211> 198
<212> DNA
<213> A.fumigatus

<400> 21913
ttatatgagt ttctattatt atctctgact atgtataatc ttttttattc gcaaccacac 60
gacaatatac aacaacaaac tactcaaact gttaacaagc gtgacaagcg tgacaagcgt 120
gacaagacaa gcgtgacaaa aagaaataat tattcatcat ggcctcctct ctcattccaa 180
gttggtgtta acgactaa 198

<210> 21914
<211> 210
<212> DNA
<213> A.fumigatus

<400> 21914
caccgaggca gttggacctc agccgccagc agaagtacaa ccagtcgcat cagtaccacc 60
aatggcaccc gttgcaccaa atctgtcgtt gacttcggta gctccggctc ccgaatcagc 120
accagcacag gtggctgcac ccccactagt aatggcccca gcagccccac caatatcatc 180
atcaggaaac gctccttata tttccaatga 210

<210> 21915
<211> 510
<212> DNA
<213> A.fumigatus

<400> 21915
aaaaatagtt gttcagaaac ttcaattcct tgtagtatat gctgggactt gttgaaaatc 60
atgaataatg gaaccaaaca aagggagtct tctaaacttc acgatacacc caaagcacaa 120
gagtctccga caatagctaa tttgctaaat gaccaagctg acaccgaggc agttggacct 180
cagccgccag cagaagtaca accagtcgca tcagtaccac caatggcacc cgttgcacca 240
aatctgtcgt tgacttcggt agctccggct cccgaatcag caccagcaca ggtggctgca 300
cccccactag taatggcccc agcagcccca ccaatatcat catcaggaaa cgctccttat 360
atttccaatg ataaaaactg ggtaaaccag tttggcccac caacaacgat gctacaagat 420
ttacaccaag tacaatctca accaatatat ctgaactcaa attttcatca gcagcataaa 480
tattatccac atcaaatact gctagaataa 510

<210> 21916
<211> 414
<212> DNA
<213> A.fumigatus

<400> 21916
tgcggttcct tccagccccg tggtgagatc ctcttagatt ctggtactac tatcagttat 60
ttcactccaa atattgctcg tagcattatc tatgccttag gtggtcaagt gcattatgat 120
tcttctggta atgaagctta tgttgctgat tgtaaaactt caggtaccgt tgatttccaa 180
ttcgatagaa acctcaagat ttccgttcct gcttcggaat tcctttacca attatattac 240
actaatggtg aaccttatcc aaaatgtgaa attcgtgttc gtgaaagtga agataatatt 300
cttggtgaca acttcatgag atcagcttac attgtctacg atttggatga tagaaagatc 360
tccatggctc aagttaaata cacttcccag tctaacattg ttgctattaa ttag 414

<210> 21917
<211> 807
<212> DNA
<213> A.fumigatus

<400> 21917
attgggatct ccacgcccgt ggtgaataca ttgattgttg attcgattcc tattacagtt 60
gttacatctg atcaacatgg acatggacat ggacaagagc atgaacatga acatgaacat 120
gctgatgtag atatttctca tatccctgat gattatgatt tatcacaagg tgggataatt 180
agaattgtca aaattggtga attagatgct aatccatgtc gtggaactca tttaacatca 240
acagcacaaa ttcaatcaat tgcattatta catcaatctc caattagagg aggtcattct 300
cgattatatt tcatttgtgg tggtcgagta gctaatcatt tacgtaaaga acatgaaatt 360
ttgaaaaatg tatctacaaa tcaattatct tgttcaatcg atgctgttga agaaaaaatt 420
gaattattaa gtttaaatga taaaaaaacc aattctacat taaataattt attaaaagaa 480
ttagcatcaa ttgaagctaa taaaattttc caaaatttta atacccatga taataacaac 540
agtaaattag cttatgtata tcgtgctgat ctgccagaat atttaacttg ggttcataaa 600
gaattaacaa ctttgattaa tcaagataaa actggtgatg ttgatgtatc aaataaacaa 660
acccttgttt tattaagtgg cgctgctcct aatggtggta acataataat atcgggtcca 720
aatgcagaag aattacgtgt agaatgtaca tcaaaattat ctaattttaa cacgtggtgt 780
gtaaaggatc ttcattttca acgttaa 807

<210> 21918
<211> 825
<212> DNA
<213> A.fumigatus

<400> 21918
gcggttcctt ccagcgcccg tggtgaagta tgtacagcaa attaccttgg ctccattccg 60
ggcccactaa gagatcgtat ggaaataatt gaagttaacg ggtacacaaa gaatgacaag 120
attgaaatca caaagagaca tttaattcct gcagccgcaa agaaggttgg attggatgaa 180
ggtcgcgtag tgatccctga tgaaactatt tccagattaa ttgacaagta ctgtcgtgaa 240
agtggtttga gacatatcaa gtctttgatc aatagaattt tcagtaaagc ttccagaaaa 300
attgtagaag aattggaaga aactgatgtt gatagtcaca acaaagatac agtcgaagga 360
actcttgttg ctaaagaaag tgagaaagta atatccgaca aagccaagat tgatactgaa 420
aactcaccaa tagaatatat ccaaagcaat actgaagtta aagcagagac aacaacagaa 480
agccaacaag aacgagatgc tgaacgtgat ggggacgagg attttctgaa attggatctg 540
ccagcagatt tgaaaatага agttaagcca gagacattga aggattttgt tggaccacaa 600
atttacataa aggacagact ttacgaaact ttgaatccag gtgtagcaac tgggttggcc 660
tataatacat ctggagatgg tgatgcattg tattttgaat ccattttaac agattccatt 720
agttccgatc ttggaaatgc cggattacat gtcactgggt cattaaagga tgtgatgaaa 780
gatctgcatc tattgcatat tcttttgcca agcagtttat ggtaa 825

<210> 21919
<211> 207
<212> DNA
<213> A.fumigatus

<400> 21919
gttttcagta tcaatcttgg ctttgtcgga tattactttc tcactttctt tagcaacaag 60
agttccttcg actgtatctt tgttgtgact atcaacatca gtttcttcca attcttctac 120
aatttttctg gaagctttac tgaaaattct attgatcaaa gacttgatat gtctcaaacc 180
actttcacga cagtacttgt caattaa 207

<210> 21920
<211> 294
<212> DNA

<213> A.fumigatus

<400> 21920
ctatcaacat cagtttcttc caattcttct acaatttttc tggaagcttt actgaaaatt 60
ctattgatca aagacttgat atgtctcaaa ccactttcac gacagtactt gtcaattaat 120
ctggaaatag tttcatcagg gatcactacg cgaccttcat ccaatccaac cttctttgcg 180
gctgcaggaa ttaaatgtct ctttgtgatt tcaatcttgt cattctttgt gtacccgtta 240
acttcaatta tttccatacg atctcttagt gggcccggaa tggagccaag gtaa 294

<210> 21921
<211> 342
<212> DNA
<213> A.fumigatus

<400> 21921
acagtctctg aattgtcaat cgcaggccca tcactctgtg tgggtgctgc tcctcctaat 60
ccggcacctt ggcctaataa tctttgtaat ctgaccatag ttgtgtggca aaagaaaaaa 120
ataacctgtc gagaaaaaaa aaattcacca acaaaaaaaa aatacttata ctatgcaaac 180
tcttcaccaa tgactacacc actgacatca cctgccagaa cccatgccag aaaagtgtac 240
tcccacataa aggcaccctt tttcatcagt ggcgatgact tggtgctcta caagtactgc 300
gaccaaacca aaccattcag acgaaaccga tacttttttct aa 342

<210> 21922
<211> 465
<212> DNA
<213> A.fumigatus

<400> 21922
tataagtatt tttttttttgt tggtgaattt ttttttttctc gacaggttat ttttttcttt 60
tgccacacaa ctatggtcag attacaaaga ttattaggcc aaggtgccgg attaggagga 120
gcagcaccca cacagagtga tgggcctgcg attgacaatt cagagactgt ttacatatcg 180
tcgttggcgt tgctcaaaat gttgaagcac gggcgtgctg gtgtgccaat ggaagttatg 240
gggttaatgt tgggagagtt tgttgatgat ttcactatac atgttcacga tgtgtttgcg 300
atgccgcagt cgggtactgg agtttctgtt gaggcggttg atgatgtatt ccagacaaag 360
atgatggata tgcttagaca aacgggcaga gaccagatgg ttgttggatg gtaccactcg 420
caccctgggt ttggtcttca ccacggccct ggaaggaccc gcgct 465

<210> 21923
<211> 228
<212> DNA
<213> A.fumigatus

<400> 21923
aaaaaaattt tccccatttt gaaaattgga attggaaatc tcttgatttt cattttcctc 60
atcactaata attggagaac tgctcattgc cattgcttct tgcaatcgac tttcaaaacc 120
atctggatca ttaacataat catcaaattg agggtcataa ctactaccga tttcgtctat 180
gtgattgctg gtaagaatag ttggggcttc atcattgctg ctctctga 228

<210> 21924
<211> 249
<212> DNA
<213> A.fumigatus

<400> 21924
ttcttccaac aattcttctg caacatatgc acctattttt tgaccaacca acgggataat 60
gtctattcta agacaaagaa gtatggcatt ttgggggcta cctctgattt tttcccgata 120

gaaatttttg tggatgttta tataacgata tacagccaag gtatgaatac agctgcattc 180
ttcaattgta aacatttcac aagatcattg gccggttttg ttttgatagt tcaattcaac 240
gttgtttga 249

<210> 21925
<211> 690
<212> DNA
<213> A.fumigatus

<400> 21925
tcttgtgaaa tgtttacaat tgaagaatgc agctgtattc ataccttggc tgtatatcgt 60
tatataaaca tccacaaaaa tttctatcgg gaaaaaatca gaggtagccc ccaaaatgcc 120
atacttcttt gtcttagaat agacattatc ccgttggttg gtcaaaaaat aggtgcatat 180
gttgcagaag aattgttgga agaactagac gaagaaggag aattggaaac aagtgtttcc 240
gagataatga atcaactagc tgcatcaaat gaatcgcttg agggatgtct tccaattagt 300
tccctattaa gtctggctat tgccataatt gatgaagctt cagagagcag caatgatgaa 360
gccccaacta ttcttaccag caatcacata gacgaaatcg gtagtagtta tgaccctcaa 420
tttgatgatt atgttaatga tccagatggt tttgaaagtc gattgcaaga agcaatggca 480
atgagcagtt ctccaattat tagtgatgag gaaaatgaaa atcaagagat ttccaattcc 540
aattttcaaa atggggaaaa tttttttca cgagaagaag gaagatcaat tgagctgctc 600
ccttcgctgc cacctccatc gcacaataca tcagtttcaa caagtcgtga tacatcttca 660
accacgggcg ctggaaggaa ccgcacttgc 690

<210> 21926
<211> 570
<212> DNA
<213> A.fumigatus

<400> 21926
aattccctta aacgtgcaac tttgaatttc attagtacaa ttgttatgaa tcatctttca 60
agtgtgttga tcactgaatc caataaacaa gagttgcctg aaattattgg caaagtattt 120
gaatattctt atgatttgag tgatacgacc acgtcaaaat tagccattgt ccagttgact 180
aattttgtca atgtttttgg tggaagtggg ggtaaattgg atgacaaaga ggataagtac 240
agtgaaaatt taccaccaat cgaaggtata gatgaattct tgatcaacaa agtcattaac 300
ctctcgtttg aattaccatt tcaaaaacaa gaatctaatt taaatgacgc acagtatcga 360
ttaattgctc aagaaattgc catattgtta aagagttttg aattgaaaaa acacgacgaa 420
tttatagttg ttttgagtaa ttatttgtta aatatgggat tatctcaaga tgtgtgtaat 480
gacttttgtt tgaacttgca caatttggat ttaaaagatt ttaaaaagta ttttatcagt 540
gttatcaaca aaatgaaaag tgggaaatag 570

<210> 21927
<211> 252
<212> DNA
<213> A.fumigatus

<400> 21927
attgcgcaaa ttcgacgtcc ttccagtctg tcagtgaaag ctcccatgag attgcccaag 60
agtatactaa ctctgattcg gctggacaag cgatcggata tccaggcccc agttctcaat 120
atcaacctga aaaacgatag gcttcttacc ccgggctacc tatttctcac cccctatggc 180
gtagatctgc cggggcccta tatctttgac atttctgggt cttccccacg gggctggaaa 240
tacaagcgtg cg 252

<210> 21928
<211> 843
<212> DNA
<213> A.fumigatus

<400> 21928
gtaccaaatg gagaaaaaac cattaccaaa agaaaagtga gattagttgg gggcaaagca 60
gttaacttgt tcttggagga tccagttcca acagagttga gaaaagtgtt gaccagaacg 120
gagtctccat ttggtgagtt taccaacatg acatacacag cgtgcacttg gcagccagat 180
actttttctg ctgaagggtt caccttaaga gctgccaaat acggcagaga aactgagatt 240
gtcatttgta taaccatgta taatgaggac gaagttgcat ttgccagaac tatgcatggt 300
gtgatgaaac atatcgctca tttgtgctca cgccataaat ccaaaatatg gggcaaagat 360
agctggaaaa aagttcaagt gataattgtt gcagatggta gaaataaagt tcaacaatcc 420
gttcttgaat tgcttacggc aacaggctgc tatcaagaaa atttggccag gccctatgtc 480
aacaatagca aagtaaatgc ccatttgttt gaatatacca ctcaaatatc tatcgatgag 540
aacttgaaat tcaaaggaga tgaaaaaaac cttgcaccag ttcaagtctt gttctgtttg 600
aaagaactga accaaaagaa aatcaattcc catagatggc tttttaatgc cttttgtcct 660
gtcttggacc ccaatgttat tgttctttta gatgtgggta ccaaacccga taaccatgcc 720
atttataatc tatggaaagc attcgataga gattccaatg tagcaggggc tgctggtgaa 780
attaaagcga tgaaaggtaa aggttggatg tttcaccacg gggctggaag gatccgcgat 840
tag 843

<210> 21929
<211> 810
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (799)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21929
agatcaaaga ccgttaaatt gtcgccattg gataatgcag ttagaacgat agctgccaag 60
aatgatgatt tgattcaatt agaagcgttt atcaatgcag ctcttaaaga aaaaactgat 120
tattcacatt atttcaatga tttatcgaga caattggcag gtacggtgga ttcgccagta 180
aatggagggg ttggccaata tcgtgcattt ttctccgata gcaaatatca aattaatgaa 240
gaaagtattg ctaaaacaga gttgttacgt aatgcattca atgatcttgc tattatcttg 300
tatcgttgtt tgaatttaca tggtagtttg attggactat cgatgaaact gtcacatcaa 360
gcattagtcg aattgtttag aaagaatttc caagaagaaa ttgttgcttt acgtttaggt 420
gaagaggcga caattacagc tccatcctca agtcgtgttt ccattttcca caataaacgt 480
gctaatggtt taatgactga acgtgccaat tccatttcaa acatgtctgg tgctggttct 540
acatattcgg gttcaagact agcaaggtct cctactaatg cctcatcagt gtcttcaaat 600
aattcatcaa tcactagatc aggtagagca tcaaacactt cgggatatcc tgcaagtgtt 660
attcaaccag gatatactgg gttaaaggga tcatctctta aaaatggtaa tggatctgtc 720
acttctaaat caataaacgg atccggtaaa acaaatgcaa ttaatacaaa atggttatac 780
gaagtgttct cgttgtcana catcatttaa 810

<210> 21930
<211> 828
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (119)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21930
atactgatcc taaaatccca aaaatttttg aatagtgatt atactattga tgttttatta 60

aatcggttaa aagaaagttt gaataccggc gaagaattta gtaaatttat taaaaagana 120
gctcaaattg aagacgatca ttataatcaa ttaaaaaaat ttgctggtca tgtacgtacc 180
aatatgaaaa ataattctcg aaatttgaaa aatgattcat tacaatttca aatggatcaa 240
attattcaat ttgatgaatc attatatgga gtaggcaatt cttatgttgt tgccttaaat 300
acaatgtatg atgaattaac atctttaatt gggacaattg gtagaacaag aaaattgatt 360
aaagatgaac ataaacgtaa agaaaaagat tgtattgatg ccataataac tgctgaaaaa 420
gccaaaacca aatataatca tttatgtgaa gatttagatc gattgaaaac ttctgatccc 480
aataaaaaat catttagttt gaaaaataaa tcagtggaac aacaagaaga tgaattgagt 540
agaaaagttg atactgctga tcaagaatat aaactgaaag ttgctacatg taaaaaatta 600
aaagatgaaa ttttggtgat tcatcgtcct aataatacta aaaaattgaa aaatttaata 660
ttggaaatgg atattgcttt aaatttacaa ttacaaaagt atgcaacttg gaatgaaaat 720
ttgattatga attctggagt attaataaat cctttacaat ccagtaaagc atcaatgaaa 780
tcaatggcta gtgatcttca ccacggcgct ggaaggatcc gcacttga 828

<210> 21931
<211> 372
<212> DNA
<213> A.fumigatus

<400> 21931
caccatgcct ggcgcaagaa ctcaggaaat ggactagagc tcgccaacca tgcggcagtc 60
ccaacgctaa ctacccccag caacaaccac aatttgtcca atgggtctga cgagcagatg 120
caggattggg gcagtggcac acgtacccga atctgcccga tagctggaca agaggtcctg 180
cagccgaatg cgaaattgtc actgggtaaa caggacagcg ggaataccat gcgggctgca 240
ttagcacttc tcgcaagggc agctgaacaa tgtgagagcc tatttaatgg tatggagcac 300
gagagagcta tgctactcca atctgatgac aaaaaggcga ggctttcctg ggaagtatgc 360
tctatcgttt ag 372

<210> 21932
<211> 441
<212> DNA
<213> A.fumigatus

<400> 21932
aggcagaaat ctgacaagtt gaaaggctcg gtgacgtggc atcggctagg cgaactcgcg 60
acatgcattt tcgagcttgg tttgcaccag gactcggatg aacgcattga tcttccggac 120
tttctcctgg agtccagacg caggctattc gccgctgtct atcaattgga caagagcatt 180
gtgaccttct tgggtcgacc gccccggatc tcgcggaggc attccaattg ccgtctacct 240
cttgatatca gtgatgaggc tctcactggg agtagagagc ttgcgcaaag atcggtgacg 300
gcggaagggt ggagttgtca tgctgtctac cagcgttcag cctggatccg cgtgcgcttc 360
ctcatcagca cgttccggga ggaaatcctg gagttgtccc tgacaaagcc cagcgagaac 420
cgagaagagc aattgaggtg a 441

<210> 21933
<211> 531
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (407)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21933
ccgccgtacc catgtcatcc tcccacagct atattgtcgt ccgtgctgga tgcaacaccg 60
tgcaggtggg agggggagat agctgctctg ctctggtcac aaagtgtggg atctccgctg 120

cagattttag caagtataaa cccggcccaa acctgtattc aacactcgtg ccaggacaac 180
ctgtctgctg ctcggccggc acactccttg gctttgcccc aaaacctaag ccagatagat 240
cgtgtgctac atacaccatt cgacaagacg acaactgtgc gaaccttgct gctcaataca 300
gcctcacaaa ggaagatcga ggacttcaac aagaagacat ggggctggaa tggttgctca 360
aatgtctggg tcgggacagt aatctattta agtagcggaa gcccacntat gcccaacccc 420
gtggctaatg cagtatgcgg gccccaggtg ccgggcacag aagcaccgga tgacactacg 480
gatattgctg ggcttaatcc ctgcctattg aatgcttgtt gtaatattta g 531

<210> 21934
<211> 531
<212> DNA
<213> A.fumigatus

<400> 21934
ttttcgaacg ggaggatgtc tttcttttgg aaaagggaaa acccccctaac aggtccggct 60
gtccttacca ctcatgtctt aaaaatttgg tcgaacgcca tttatttgaa gatattccgt 120
tggaggtcaa cagtagccgc cgtacccatg tcatcctccc acagctatat tgtcgtccgt 180
gctggatgca acaccgtgca ggtgggaggg ggagatagct gctctgctct ggtcacaaag 240
tgtgggatct ccgctgcaga ttttagcaag tataaacccg gcccaaacct gtattcaaca 300
ctcgtgccag gacaacctgt ctgctgctcg gccggcacac tccttggctt tgccccaaaa 360
cctaagccag atagatcgtg tgctacatac accattcgac aagacgacaa ctgtgcgaac 420
cttgctgctc aatacagcct cacaaaggaa gatcgaggac ttcaacaaga agacatgggg 480
ctggaatggt tgctcaaatg tctgggtcgg gacagtaatc tatttaagta g 531

<210> 21935
<211> 198
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (116)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21935
catcctggac gtgccaggaa aatcaatagc ctatggccca ttaatcccct gtctcacagc 60
ccacaatcca cagccctgtc tcactatcag aaagtaaaac ccatgggtgc acgatntaga 120
acccccacac cgaagaatag gattgaggga agaatcttct ttgacgtgct gtgtgctctg 180
ttccctacgt gtaaatag 198

<210> 21936
<211> 555
<212> DNA
<213> A.fumigatus

<400> 21936
ggagggagct atttccagtc ccggcgtgta gacaactact acatgtcagc tcctgactcg 60
gaacattcat tctctcgtca ttctagaccg tgtggtccca ttgtacaatt ctcttacaac 120
tccctgctac cccactcggt tcggctgaag gtcgtcagtt gtattcgcat gatggcttcc 180
gaaaaggcgc aggatgccat tgggccagcg gcggagtacg atcctcgccg tgattctaca 240
gcatctgcgg ccaaggtcgt tcacaatgcc agagcggcga cggagaagga acaacgcatg 300
tcgctctggg aaggcatcaa gacctacccc aaagctgtcg ggtggagctt gctgatctcc 360
acctgtattg ccatggaggg ctacgatatc tgcctcgtca acaatttcta tgccttcccg 420
caattcaatc gcaaatacgg tgagctcacc tcaaagggtg actatcaagt gccggctcgg 480
gtaagttctc cgcccaccta tcctcccttc tgcgatatgt gtgctgagat ggcgttgtat 540
agtggcaagc aggcc 555

<210> 21937
<211> 222
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (6),(93),(97),(108),(113),(130),(140),(172)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21937
ggctancaag gatcttatcg gatggcctcg gacccgggtc ctgctcggtt ggtatcggca 60
tatggtgagt ctgatatcac gtatcgggga tanggtnggg gggtgtancc gcntgactat 120
tcggctcatn tggcatatan tatctgctgg ctgtggggtc gaatctaccc gntatggtca 180
tatacacagt atttcaacgt taggccctat gggctggtat ag 222

<210> 21938
<211> 198
<212> DNA
<213> A.fumigatus

<400> 21938
attgtagaca tatgcggggc tctttgccgc ttcgtggtga agatgaaaga atccccgact 60
ctttgctgcc ttaaggcaca atggtggcta gaatttacct cccctgctac cgatcatatc 120
aataccgggg ccttggtcgg cgtgagaagt cttcaggctt cgcgcatcat tggtggatgc 180
ggtggaccct tgggctga 198

<210> 21939
<211> 210
<212> DNA
<213> A.fumigatus

<400> 21939
cccactcctc ccatcacacc ggaaaatgaa gcgtttgcca atgccggcaa ccccaacttc 60
gtcaaggagg ggccagagac taacacatgc tcgccatcac cgtcgccacc cccgatgcaa 120
tacgtggact ctcacgcgta caacccagag gccgcatatg cgcatcaacc gtatgagcaa 180
cctcagatga gcttcacttc aagtttctga 210

<210> 21940
<211> 762
<212> DNA
<213> A.fumigatus

<400> 21940
agacgcacat gcgatgattc cttcatggat ccacatgcta atgctgtcac gtcggacttt 60
attcgtcaga aaatccgctc gatcgttcgc gacggtgaca ccgccgaggt tctatgccca 120
acttatccgt ttggtgcaag gcgtcccccc tgcgcagatg ggtactacga gacattcaat 180
cgatcgaatg tgaagcttgt ggatatccgc gaagacgaga tcgaagtcta cgaccagggt 240
atcaagactg cttccggcgc ggaatatgag cttgacatga tcatcttggc actgggcttc 300
gacacaggca caggagccat gaacaagatc gacatccgag ggagccagaa caggtcgctc 360
cgggagtctt ggactcggcg gctagaaaca ttcgcgggcg tcttggtcca tggttatcca 420
aacatgtttg tcgtctgcgg tcctcacttg cccgccggga accagccggt cagtctcgaa 480
gctttcgcca gctggatcgg caagaccatc gagcatatgg agaccaacgg gcttgccagc 540
atcgacgtgt cgaacgaagc tatggatgcc tggacgacgc atgtcgagca agtatggggc 600
gggtcattcc tggccaaaca cgctcacgaa caaggctctt ggttcgtcgg caccaacatt 660

tccccggggg acaccgcaaa tcatgttcta tttggcggaa tggcaacctg gaaccctggg 720
ttccatccag gaaccttgga aaccgggcgg gtcaagttat ga 762

<210> 21941
<211> 183
<212> DNA
<213> A.fumigatus

<400> 21941
ctcaactcag tcggactctc caagaacctc cttcgcgctc tgagcgcttc atccgccgat 60
cttcctgagc tggaagcttt ccccaagtcc cacatagtca ccttcaagta ctatgttggt 120
gtcattcact ttctagatga gaactaccgg gaggtaagaa gatcacgagc aaatctccgt 180
tag 183

<210> 21942
<211> 336
<212> DNA
<213> A.fumigatus

<400> 21942
ggattgactg accatgcatg tagatgcttt aacggcgcgc gtgactttgg tgcgagattg 60
gttgccctca tggccggatg gggaggcgag gtcttccgcg agaaacatgt ctggtggatc 120
tgggggccct gggctgctga tatcaccggt ggactgtttg gtacgttcat ttatgatctg 180
gcgatcttca ccgaggccga aggtccgatc aattatccgc gtcgccgacg caagagagcg 240
ctgttgatca aggagaagaa tcaaatggtt aaactgcgct gtaagcggag gaaaattcgg 300
gatgtagaga gagctgttcg tgaggttgag cagtag 336

<210> 21943
<211> 528
<212> DNA
<213> A.fumigatus

<400> 21943
gggcgggga ggagaaataa tctagcccgg tcggctataa tcatacttcc ttccgtcgcc 60
attggtgcct tgtacggccg tgcgtttgga acgatgttta agatgtggca aaatgcctat 120
ccaaattttt tcttcttcaa cagctgcgag ccagatgttc cttgtgtgac accgggaata 180
tatgcaattg tcggagcagc ttcagctctc ggtggcgcaa cacgaatgac agtgtcaatt 240
gttgtgatca tgttcgagct cacaggtgcc ttgacatatg tcattcctat catgattgcg 300
gttatgttgt ccaaatggtg cggcgatatc ttcggcaaac gtggcatcta cgagtcttgg 360
atccatctca aggaatatcc cttccttgac catcgtgacg acactacttc ccccgattta 420
cctgctcata gagtcatgac aagggtcgag gacctcacag tcatcgttgc caatggacat 480
acgatcgata gcctccgcaa ccttctcctg gccacctcat atcgcgga 528

<210> 21944
<211> 228
<212> DNA
<213> A.fumigatus

<400> 21944
agcgagcaaa gagcatggtc agcattaagt ttgatccacc ggcgtatgta tcccgaaatc 60
ctgttgaatc ccatcactca aagttcgctg accatcctca atagttctgg cagatacatc 120
ttgatcaagc tctggaaccc ccgcaacgat ggtaatatcg atattcggag tatcattaca 180
tatggctttg ctggtcctcg attctttccc gctggagaat ttaggtaa 228

<210> 21945
<211> 591

<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (9)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21945
gcatccggnt atgccaggcg cggggccttc cagccccgtg gtgaagactc catcctgcga 60
aagacctact acactgcaat ccccaccaat ccctcctcaa aacatggacg acacaggata 120
caccattctt cgcaccagcc agagtcgttg gactggttca atgtcctcat agctcagacc 180
atcgctcaat acaggcaaac ggcatatctg ttgaaggact caccgacatc atcaatcctc 240
aactcgctaa cggcggccct gaataacccc gagaagaagc catcatttat agataaaatt 300
actgtgacgg atatatctct gggggaggag tttcccatct tcagcaactg tcggatcatt 360
gctgtggatg atccaaattc tgatggtgga cgccttcagg cactgatgga cgtcgacctg 420
agcgatgaca acctttccat cgctgtcgag acgcagctgc tcctcaatta tccaaagcca 480
tgctctgcca ttcttcctgt ggcactctcc atttccgttg tccgcttttc cgggaccctt 540
tgcatatcac tcgtccccgc ttccacacct ccactccgac actccatccc a 591

<210> 21946
<211> 411
<212> DNA
<213> A.fumigatus

<400> 21946
atgagcgatc cgaatattgt acgactcctg aacattgtcc acgccgatgg ccacaaactc 60
tatcttgttt ttgaatttct tgacctcgat cttaagaagt acatggaagc tcttcctgtc 120
agcgagggtg ggcgtggaaa ggcgttgcct gaaggttctg cgttgagcaa gaacatggga 180
cttggagatg ctatggtcaa gaaattcatg gcccagttgg tggagggaat tcgttattgt 240
cacagccatc gtattctgca tcgtgatctc aagcctcaaa atctgctcat tgaccgtgat 300
ggcaatctga aattggccga ctttggtctg gcaagagcat tcggtgtccc tctgagaacc 360
tacacacacg aggtgagacc attgggccat attgactgtc attcaacgta g 411

<210> 21947
<211> 183
<212> DNA
<213> A.fumigatus

<400> 21947
aatacttata tggtgctcca ggtcgtgacc ctctggtacc gatccccgga aatcctgctt 60
ggtggtcgtc agtactctac tggcgtcgat atgtggtcct gtggcgctat tttcgccgaa 120
atgtgcacac gcaagccatt gttcgtcttc acgccacggg gctggaccga accgcgctgc 180
gga 183

<210> 21948
<211> 771
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (220),(742)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21948

aaatattacc cattggataa aaacccccc aagcccctta gtgggggtt atcagcccgg 60
gagaccggaa cccggagagt ttctgttggg gaaaataact tgcggccaga ggagtgcctt 120
tggttggcgg accttcgggt cggatccaga tctgttatcc ctgagactgg atatatatcg 180
atggcactgg aggcagcgag gatgatggtg gagacccagn gactccgctt gctgagcgtc 240
aaggacttca ccgtccacac cccggtccct atccagaacg atgccatcgg cacggaaata 300
ctggtcactg tgaatgatat tttctcgcac gacggagtca tttccgctct gtttcgctgc 360
gaggctgctg tatcagacga gttcgtcaag tgtgcaacag ccaagatgat catgcatcca 420
ggggatccag accgtgctct cctccccaca cagggccagc gggctctggc ggcaggaccc 480
gtggacatca acggctttta taacagcctg cggtgcgtgg actatcactg taccgggcca 540
tttgctggct tgacaggact ccaccgaggg tgcgatctcg ccacggggac ggttcacgtc 600
ccctcgagag atcctgacgg acctattatc ctccatcccg caaccttaga gctcgctatt 660
caagcaatga ttgccgcgct gggtgcgccc gacgaggggc tcctgacggg agcgttactg 720
tccaaaactg tggacaacag tnttcacctc cggagatgcc ggaccggata g 771

<210> 21949
<211> 405
<212> DNA
<213> A.fumigatus

<400> 21949
gacacaacca tcgccggaag gtggcttaaa tatgggcgcg cagctcacga ttcccacgag 60
tcccaagaca atgatgaaac aagggcagat tcctcccctg gagatggttc gacccgcagc 120
gagcaacaag gggagcgtca gcagagagac ggggcaaata gacctaacga attcgcggca 180
aaagcagcag catgggctga acaattctca gatacctggg aggacatcaa accctgggcc 240
cgtctcttgt acaaggccgc cagattatat gggtcgtggt cgtcccggtc ctcgccgtct 300
ggattcgatt actttgccga cgatgcctca gagaacattt ctttgacgac ttcgattttc 360
gtccagaatt ttcacttcag gggagcgggc gatccgcgca tgcat 405

<210> 21950
<211> 573
<212> DNA
<213> A.fumigatus

<400> 21950
ttacaccact gcagcggcaa aacctcactg atcatgagtc tcttccgaat ggtcgagctc 60
agctcgggaa gtattcatat cgatggcgtc gacatcacca agattccccg tcaagagatc 120
cgctcacgca tcaacggcgt ttctcaaagc ccgctcctga tcaaaggcag catcagacgc 180
aacatggacc ccaatggttc ctacgccgag aaagccataa tcgaagccat aaagtctgta 240
gggctctata ccaagatcca agagaaaggc ggactagaca ccgacatcag cgaggtcttc 300
ctctcgcaag gccaacaaca gctcttttgt ctcgcgcgag ctatcctccg gccggggaag 360
gtcctcgtcc tagacgaagc tacaagcaag tacgtcacga cctcatctcc tccaccttgc 420
tcatgggata tcatattgac catatccaca acagcgtcga cgcaaagaca gacgaaatca 480
tgcaaagagt tatcagagag aaattctgca cgcacaccat tctcgccgtc gcccacacac 540
tcgagacaat tctacacagc cgccctgagg tag 573

<210> 21951
<211> 606
<212> DNA
<213> A.fumigatus

<400> 21951
tcctcagtca gaccaagcca atgtctaatt acaccactgc agcggcaaaa cctcactgat 60
catgagtctc ttccgaatgg tcgagctcag ctcgggaagt attcatatcg atggcgtcga 120
catcaccaag attccccgtc aagagatccg ctcacgcatc aacggcgttt ctcaaagccc 180
gctcctgatc aaaggcagca tcagacgcaa catggacccc aatggttcct acgccgagaa 240
agccataatc gaagccataa agtctgtagg gctctatacc aagatccaag agaaaggcgg 300

actagacacc gacatcagcg aggtcttcct ctcgcaaggc caacaacagc tcttttgtct 360
cgcgcgagct atcctccggc cggggaaggt cctcgtccta gacgaagcta caagcaagta 420
cgtcacgacc tcatctcctc caccttgctc atgggatatc atattgacca tatccacaac 480
agcgtcgacg caaagacaga cgaaatcatg caaagagtta tcagagagaa attctgcacg 540
cacaccattc tcgccgtcgc ccacacactc gagacaattc tacacagccg ccctgaggta 600
gttaat 606

<210> 21952
<211> 666
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (155),(161)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21952
ccggattcca cgatcgccgc ggcagatttc aggacagatg cccccattgg gcacccaata 60
tccatgtccc aaaatgccca gatgcaacag cgtcgtatga gtcatgtcgg tagcccacat 120
gtccagactg ttcaacccgt gctcaatcat gttgntcgtt nttcgttccc cccgccgatg 180
gcgccgcatc ttcagcctgt tcagcaaagc caaccgtcgc cggagctcgt cgccggtgct 240
gccgaggagt ctcccttgta tgtcaacgcg aagcaattcc atcgcatctt aaaacgtcgg 300
gttgcccgac agaaattgga ggaacagttg cggctcacgt caaaaggccg taaaccttat 360
ttacacgagt cgcgtcacaa tcacgccatg cgacggccgc gcggtcccgg tggaaggttt 420
ttgacggccg atgaagtggc cgctatggaa aagaaacagg cggctaccgc cgctggctcg 480
ggtcaagaaa atgtggactc cggaaagcct gccgaagaaa acccttcgtc ggcgccaaaa 540
cggaagtcaa gtgaagttaa cgacgacaac gcgaattcag tcaagaaatc caagactggt 600
ggagctactc gaccagccga ggagagcgaa cgtgaatctg cagaaccaac cgatgaagat 660
ggttaa 666

<210> 21953
<211> 564
<212> DNA
<213> A.fumigatus

<400> 21953
gaaagagcac ttgactttga gaagcgcaag agagaagtga tcacaaggct ccgcgagcag 60
agaaaggatg cgtccgctgc aaatttacct catgtgagca gatatcttgc tgccaaagcc 120
gctttgcagc ccgatgtcaa taacaacaat gcggggccag cgccaccgat ctctgaaact 180
gacaacccaa gtcctcgtct aaacccgcat gatccgaggt cttatctcat gcgcaataaa 240
ccctcccatg acaaaaggag gcttgcctca gacccagcca aaatccgacg aattcaaaca 300
aacaagttgc ctttcgagaa gatacccgac gggtgcgaat tgcatgattt atgcctggtg 360
cagtctgcag acatctccct gatttccgag acctttgca atctctatga acatgatcta 420
tatatacgag agggcgataa ttttgcaggg tttactgacg cggatctgca gtccctgagc 480
ttgtgggaga gccaattgtc ctcgttaatc aagcaacaat tcgtctttac cacaggaggc 540
cgcaaggacc cgcgctataa gtat 564

<210> 21954
<211> 186
<212> DNA
<213> A.fumigatus

<400> 21954
aataactgtt ctctgccacg cgaagtgtat aagtcagaga cactccaccc ggacacttac 60
gaccagaaat actacaacgc cataccggct atcaagcccg atgcggtggg tgtcaggagt 120

gaaagcgtac atacacaaga ggtaagtgct tgccaccgtg agcttctcga acttgacgtc 180
ttctaa 186

<210> 21955
<211> 210
<212> DNA
<213> A.fumigatus

<400> 21955
aggtctcctc gtattggtca attcctgttc ggaatatctg cagcacctaa cttgctatta 60
gaagacgtca agttcgagaa gctcacggtg gcaagcactt acctcttgtg tatgtacgct 120
ttcactcctg acacccaccg catcgggctt gatagccggt atggcgttgt agtatttctg 180
gtcgtaagtg tccgggtgga gtgtctctga 210

<210> 21956
<211> 270
<212> DNA
<213> A.fumigatus

<400> 21956
gggggcggca cacatcttgt tcggaccggc ggctgcgtgg tgaagaccag ggatgggctg 60
tggccgcaca ccaccacatt cgagacggct ctgggtccct taggcaagga gagcggcgtc 120
aaaatcctgg cccttcgcac gaacaagtcc gacgtttgcg ttggcatccc gacccagagc 180
aaggttgacg cattaaacga ggaggcgcct gatggtgcct ggatccggaa tggcaagtat 240
gccatagtat cgtttagtga gggtcaatga 270

<210> 21957
<211> 450
<212> DNA
<213> A.fumigatus

<400> 21957
ctggatagcc tggccgctct tattctggag cgtcttcagt ctgtggccct cgtcggcgat 60
tataatgtcg actcccgcac ccctcgcgag gccttcttgg acggttctaa gcttctcgta 120
acccactatc atgacgctat aggctctgcc catagtgaag tccgtcaaac gcttcctctt 180
atcatcaaag acgaatacac cgatgcgctc gttgcccagc cattttcgaa actccttcct 240
ccagttgttg atcaatgtca ctgggcaaac aatgagtgct ttcttgatca ctggagggct 300
ttcatggatc ggattctgtt tcagcagagt ccagagcagc gtgatcgttt gcaaagtctt 360
ccccaaaccc atgtcatcgg caagtatagc gccttctccg ttgaacgatc gcattcccat 420
gacgcactcg taaaggaatt ggacgccctc 450

<210> 21958
<211> 567
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222>
(535),(536),(537),(538),(539),(540),(541),(542),(543),(544),(545),(546),(547),(548),(549),(550),(551),(552),(553),(554),(555),(556),(557),(558),(559),(560),(561),(562),(563),(564),(565),(566),(567)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21958
gagggcgtcc aattccttta cgagtgcgtc atgggaatgc gatcgttcaa cggagaaggc 60

gctatacttg ccgatgacat gggtttgggg aagactttgc aaacgatcac gctgctctgg 120
actctgctga aacagaatcc gatccatgaa agccctccag tgatcaagaa agcactcatt 180
gtttgcccag tgacattgat caacaactgg aggaaggagt ttcgaaaatg gctgggcaac 240
gagcgcatcg gtgtattcgt ctttgatgat aagaggaagc gtttgacgga cttcactatg 300
ggcagagcct atagcgtcat gatagtgggt tacgagaagc ttagaaccgt ccaagaaggc 360
ctcgcgaggg gtgcgggagt cgacattata atcgccgacg agggccacag actgaagacg 420
ctccagaata agagcggcca ggctatccag tcactgaacg ccacaaagag aatcattctt 480
tctggcacac caatccagaa tgacctgaag gaatcttcgc ggcggtggat cttcnnnnnn 540
nnnnnnnnnn nnnnnnnnnn nnnnnnn 567

<210> 21959
<211> 369
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (366)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21959
tcatacttca gcatctgtag acggaagaga ccgttcccga ccacttctac tcgtacatgt 60
gtattcactg tcactatcct gcagtgtcta tataagccct tctcatcgat ctcatctctc 120
tccttcatct ctctccatcc ttccatctcc aacttccacc tacgttcaac cttacagaca 180
gacaaacgca ctacaaccac tccatcaaca acaagtcccc caatgaagct caacgctatc 240
ctcctcttct ccctcattgg cctcggcctc gcgactccgg tcactgtcga tggaaacctc 300
actactcctg gcgacagtac gtccctccac ccactcgcca cgacatctca ccctgctgac 360
ccactntag 369

<210> 21960
<211> 498
<212> DNA
<213> A.fumigatus

<400> 21960
acgtgtcttc atcggctggt gaagattaat cataaagaga tccgccatct ctatcgggct 60
ctcgtacgtt atggagacat caatgagcgg acagaagatt tcttgcggga agcccgtctt 120
atggataggg acagggaaac tattgttgcc gttctgcggg agatgtctga tatggctgcc 180
cagctcatcc gagaagacga tgctaagatg gaggcactgg aaaaggctgg caagatggta 240
acgaagaagg agaggaaggc cgtcttgttc gatttcaaag gcgctaaccg tttgaatgcc 300
caccacatcg tggaccgtcc cagagacttg cgcattctga ggcaggtcac ctcatccgtt 360
gctgatgtca agagctttcg cattccggaa gcaaccaagg ccgcggatta ttcatgctcg 420
tgggggcgc gggaagacgg catgttgtgt gtcggtgtcg cccgccatgg atggggtgcc 480
tggacccaga tccgagat 498

<210> 21961
<211> 387
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (196)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21961

aaccaattca tgttcgtccc cggagtggaa aggatggggg aaaaaccaag tcccatcccg 60
ggaattccca gcgctatttt agggagccgg cttcagatcc aacgaatttg ctctccacag 120
agacccactg agcttcagag cgaaacagtc aacaaaatgc ctgccattgc tgaagggaat 180
tcaacaacag tcaaanaggt ccccttttaac aagtatgggg tacccgctct tcaacgcaaa 240
gaccaccttg agtatcttta cgactcactg gaggactatc cagcctcctt tgtcgcgctc 300
gatgctagtc gcccttggat ggtttactgg gccttggcag ggctatgcct tctaggagaa 360
gatgtgactc gatttcgcga acggtaa 387

<210> 21962
<211> 375
<212> DNA
<213> A.fumigatus

<400> 21962
gatgcgacag cgacttcgaa ggtgccacag gttgacgaag ttgcagagga tttgagcaag 60
accacacttg aaaacgacaa cacggctgct gaagaaccag cccaatctac agaagacgta 120
gaaattcctg agaccgcgca agccgacgac gctgaaaccg gaggcgagga cgatgatggt 180
tctgattctg atggtggctg gattacgccc tccaatttga agaagcgaca ggccctcgat 240
gagtcgatct ctgcgtctgc agcacccgag ccaaaggtta tgcaggtcgc taccatgacc 300
accgactttg cggtaagttc ggacaaggtg ttaccaaggt ggttttacat tctacaccgc 360
cggcatggaa aataa 375

<210> 21963
<211> 198
<212> DNA
<213> A.fumigatus

<400> 21963
ctcttttgtc tactcttttt ctctctctca tacgacacac ttcacaatgt catcaccacc 60
acctcaccca acgccgacaa atcctctcaa acgaccctcc ctctcctcct cggcctcaca 120
acctctcggc tccaacccga aacgtccacg catgcacccc ctccggcaga cgtccttccc 180
agccagtata gacaatga 198

<210> 21964
<211> 282
<212> DNA
<213> A.fumigatus

<400> 21964
cagcgggccc tccgcgttgc agacgcctgc atggacaccg ccgtctccgt tgagctattc 60
gtcgagatcc tcaaccgcta cgtctactac ttcgaccagc agaacgaaac cgtcacaacc 120
aagtacctca acggcctcat cgagctcatc cactccaacc tgcaaaccaa cgaggacgag 180
ccgaatccca gcctcgaggg tccaaagcgt cacttccagc gtacgctgga gtatatccgc 240
tccagagaat acgagggcgt tgtcaccgat ccgagacagt ga 282

<210> 21965
<211> 408
<212> DNA
<213> A.fumigatus

<400> 21965
agcgggccct ccgcgttgca gacgcctgca tggacaccgc cgtctccgtt gagctattcg 60
tcgagatcct caaccgctac gtctactact tcgaccagca gaacgaaacc gtcacaacca 120
agtacctcaa cggcctcatc gagctcatcc actccaacct gcaaaccaac gaggacgagc 180
cgaatcccag cctcgagggt ccaaagcgtc acttccagcg tacgctggag tatatccgct 240
ccagagaata cgagggcgtt gtcaccgatc cgagacagtg aattgtccag gcgcttttgt 300

gatctatcgg gactggaaat gattatatca tgtaagaaac gtgaaagcgt ggctaccttg 360
ttttttctttc ctcctgtatc tgtttcgccg tttcctggca gcttttga 408

<210> 21966
<211> 378
<212> DNA
<213> A.fumigatus

<400> 21966
ccatggtgcc cggactttgc tccgctattg acaacgatag gtgtggccgg ccatatcacg 60
ctgcgcgacc ccgtcgagcc ggacactttc tgggtcaatc cattcggcgt ggcattctcg 120
caaatcaagg cgtctgattt gattcgcgtc aatcacgaag gaaaagtcat cgacggaggc 180
gaggttcgct tgctcaacgc cgcggcgtac atgattcatt cggcgatcca cgctgctagg 240
cctgacgtcg tgtgtgcggc gcacagccat agcctccacg gccgagcctt ctgcacgctg 300
ggacgaccgc tggatattat tactcaggat tcgtgcgcgt tctacaatgt acgctcgtct 360
tcaagggctt atgtataa 378

<210> 21967
<211> 447
<212> DNA
<213> A.fumigatus

<400> 21967
actaattctt cccatacaaa aagaaatgca aggcagcaac aatccctccc ttcccggtat 60
cgtgatagac ccgtcgtcac ctcaatcccc cactgtctcc tgtgcattct caccatcaac 120
acccacgagc tccatgtcga gcagatcaac accacagtca tcacagccag catcacaagc 180
ggaatcaaaa ccagcaaaac gaccccggaa ggtccaccca tccttccagc ccgtcctccg 240
ccatctacgc agtcctctct gccccctcgt ctccagcacc acgggggcagc aacatcccga 300
cttccccaag accctcctcg cctaccacct actcacctct cggcaactgg acgatctagc 360
ccgtcacttc caccaagtgt ggccgccagt ggaggccaca agggcatatc ccgtctcgat 420
ccccccgtgg atcggcacac agggtga 447

<210> 21968
<211> 492
<212> DNA
<213> A.fumigatus

<400> 21968
ttttccagcc gcctggtcaa taagggtttc ggtcaattcg cggcggccat cgtcgctctg 60
attgttactg ccggcttcaa ggaatctctg gagactgcta gctccgtggg caagtgctcc 120
ggtgtctgcc agctcgctgt cgacaagatg tggcgtgtgg ttatcggttt cggtgccgtt 180
cctgcctgca ttgccctcta ctaccgtctc accatccctg aaactccccg ctacactttc 240
gacgttgccc atgacattgt caaggccgac gaggatgttc gtgcctatat gaccggcaag 300
cacgagggtc accccgacga gatacgccgc cagtccgtcc tccagaagca cgctggtgac 360
gtgaccccga aggccagctg ggctgatttc tggcgccact acttgcagtg gaagaatgga 420
agtatcctcc ttggcactgc tggttcttgg ttcttcctcg acgttggtaa gtctcgttgc 480
ctgcccacct aa 492

<210> 21969
<211> 588
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (587)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21969
tggtttcgtt gtgtaggcga ctacgtggat cgcggtctgt tcagcgtcga gacgatatcc 60
cttctcgttt gcctgaagct acgatacccc caacgcgttc atctcattcg tggtaaccac 120
gaatcgcgcg gtgtcaccca gtcctacggt ttctacacgg agtgcgcgcg gaaatacggc 180
aacgccaacg tgtggcacta cttcaccgac atgtttgact ttctcaccct gagtgtagtc 240
atcaacgatc agatcttctg cgtgcacggt ggcctttccc cctcaatcca ctcgatagac 300
cagatcaaga ttatcgatcg atttcgggag attcctcacg agggtcccat ggccgatctg 360
gtctggtccg accccgatac cgaacgcgac gagttctcgc tatcacccag aggagccggt 420
tacacattcg gtgcgcaggt cgttcgaaaa ttcctcgagg tgaatagcat gtcgcatatt 480
ttgcgagcgc atcagctgtg ccaggaaggg tatcaggttc tctatgacga ccgtctgagt 540
acggtgtgga gtgctcgtaa ctactgctcc cgattcggga actgctng 588

<210> 21970
<211> 822
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (776),(786)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21970
aaaaggaact ttcgcagttt ggtgtgggga acagtccccg ggtggatatt ccacccgctc 60
acgggggggc ccatcggata tgggggggtat gactgtgttc gatactttga gcccaagacg 120
gctcggccac tcagggacgt gctggggatc cccgagtcgc tttttatgat gttcaagacc 180
attgtcgcct tcgaccattt ttttcaggtc atcaaggttg taacatacat tcctatttcg 240
ggccccgatt cggaacttga agcggaatac cgtaatggcc aagaggcgct ccagcagacc 300
attgacttgt tgctgaggcc agaatgtccc ttccccttc agggcccgat cattccgaac 360
caagaataca catccaacat tggtagggaa ggatatgagc ggcatgtgac caggctgaag 420
gaacatatct ccaagggaga catcttccag accgtgccgt cgcagcgcct gtcacgtccc 480
acttccttgc atcctttcaa ccttttccgt catttgcgca ccgtcaatcc gtcccttac 540
cttttctata tcgactgcga agagttccag cttgtcggag cgagtccgga actcctcgtg 600
aaggaggaga aaggcaggat catcacccac cccattgcgg gaacggtaaa gcgcggcaag 660
tctcccgagg aggacgacgc tttggccgcc gagttgaggg gcagtctgaa ggaccgcgcg 720
gagcacgtca tgctggttga tttggcgcgc aacgacgtca accgggtctg tgatcntaat 780
ccgacncgac cggggaagga aggtaacgcg tccccccccc cc 822

<210> 21971
<211> 249
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (180),(249)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21971
cgaataaccc actggccgga caaacttccg gaagtggcaa ccttgccagc attttcgcag 60
ctggccggaa gccccccggga tggcacgaac aaggtttatt tccagatagt tcgctatctg 120
cgtgagatgg ggtacttttc acaggatctt aagaccgcct tcgtgtccaa caaccgggtn 180
tccaacctcc tccgcaaaga ccactgggcg acctggatca actgggttga ctttttcccg 240
cgcgaatan 249

<210> 21972
<211> 615
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (69)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21972
tatgacctcc tctcgcgtct gccagaccag ttgcgaagcg atcagccaaa gactgccaca 60
gagcttttnt acaacaccga caagcccatt taccagtatc tggccgaaac tggcagagct 120
gccggcttcc acaaagtcac cggtacgggt agtgtcgtcg aggcccctgg gctgctggcc 180
gactacccat gggaggaagt caagtcggag actgtggtcg acgtcggcgc cggagtagga 240
gactttatcc ggtcttacct ggagaagttc cccgatgcca cggccgctgc cttcgagctg 300
ccgtcgaccg cggagatcct caagcagcgg ttccccgacg atgaccctct gaccagccga 360
atcgtctcga tcaccggagg ggacttcttc caggacccaa ttccagaatc atctgtctac 420
ctcctccgat ggatcttgca taactggggc gacgaggatt gtatcaagct gcttcgtcga 480
atccgggaga ccatggtcat caagccggga gtaagccgtg ttttgattat tgagtcggtc 540
ttgtttgacg ggcgtctggg acccgggccc cggtattttc accacgccgt gccaggatcc 600
acgctaaggg acgcc 615

<210> 21973
<211> 522
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (11),(108)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21973
tggagatcaa ntagtctaac cagttctcct ccctctccag gtaatggtag caccgtcgaa 60
tccgtccgac actgcctgta caccatccgc cgcttcctcg ccccgcanta tgccgtgatc 120
cccgtgaccg ccgacatgct catcaaggag ccatggacgc taacttgcgc cttgctggtg 180
atacccggag gagctgatct ggggtactgt cgatctctca atggcacggg caaccgccgc 240
atcgagcagt ttgtcaagcg cggtggcgca tacctcggtt tctgcgcggg gggctactac 300
ggctccaagc gatgcgagtt cgaggtcggc gataagacga tggaggtggt cggggatcgg 360
gaactggcgt tttttcccgg gatatgtcgc ggcggtgcgt ttccggggtt tgtgtaccac 420
agcgaggtgg gcgcgcgcgc ggccgacctc aaggtctcca aggacgtact gcaagacggt 480
ggtcttcacc agacggctgg aagatcatac gtccgggagg ga 522

<210> 21974
<211> 324
<212> DNA
<213> A.fumigatus

<400> 21974
ccttcgcgaa aggagttcac acgggccgtc gagcagaagc agatcgcaca gcaggacgcc 60
gagcgtgccc ggttcatcgt tgagagagcc gagcaggaac gtcaggcgaa cgttatccgt 120
gcggaaggtg aagcagagag tgccgagatc atcagcaagg ccgtcgcgaa ggccggtagt 180
ggtcttattg agattcgtcg gatcgatgcc acaaaggaga ttgctcagac gctggccaat 240
aatcctaatg tcacgtactt gcctggcaat gaaggcaagg acggtggaaa gagcacaagt 300

ctgctgctgg gtctgagaaa ttaa 324

<210> 21975
<211> 261
<212> DNA
<213> A.fumigatus

<400> 21975
tgtacacttg attttagccc tggcgacttt gtcttacatt tgactattcg atttaaaagg 60
ctggagaggc gttctgtcct tattgatacc atacttgcca tgatgccgca aattaagttt 120
tgcgctagcc ctgtcatttc tctactgtgg ctctccaaat tcaagtccac cgtccaatcc 180
tactaccatc taatacatag caccctactc ctaaatacct attaccaggt ccaaggttac 240
cggagccaag tcagtaaatg a 261

<210> 21976
<211> 372
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (342)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21976
ccgtcaacag ctggggcctc caacggcccc aaccgggcta gccactccat gggcaccacg 60
ggtcaacctg caatcatcta cctcccggcc gggacgtatc tgatagaagg aagtcttcaa 120
ctctacgttg gtactgtgat tgtgggcaac gcgctcaatc cgcctactct caaagccagc 180
gcaaactttc ccaacgatca tatcgtctac gggaaagaac cccagctggg cgggacgatc 240
aacttctaca ttggcttcaa aaacgtgatt atcgattcta cgagcgttgc tgcgttcaaa 300
tcaatcacat tgctaaaatg gactgtctcg caggccacgc anctgacgaa cgttcttttt 360
cacatgcccg ac 372

<210> 21977
<211> 453
<212> DNA
<213> A.fumigatus

<400> 21977
caagggtata gaactattac ttttccaatt caaaacaaaa ctgcccgtcc ctgggacccg 60
gtcactcaag gctctacggg aaacctgaca agccatgatc gccagaaacg agcaagctgt 120
gggggcccga ctccggacaa tcccaacaag ttctggctgg agacgattac tcacagtgga 180
gagtcgtcgt tcctggactc gacctacaag cacaactaca aggtctttcg gaatgtggtg 240
accgactttg gagcggacaa caccgggggcg aaggatgctt ctgctgccat tcagaatgcc 300
atcaacggta tgcccttcgg cccgggctgc ctatataggc gaagtgctaa ccgtcaacag 360
ctggggcctc caacggcccc aaccgggcta gccactccat gggcaccacg ggtcaacctg 420
caatcatcta cctcccggcc gggacgtatc tga 453

<210> 21978
<211> 339
<212> DNA
<213> A.fumigatus

<400> 21978
cgaaacagca aaatgcgtct cagttctcat cttcttattg gagtagccct gcaggatacc 60
tctgggcgtg ccaccgttct ggtaccactg acctataagg accaccacgg cactcctcac 120

gcgatacata acggaactac atatactctt tcagcaaacg atacttctcc atccatcatc 180
attctggact atggacggaa cgttgaagga tatgggacat ttcatgtctc ccggagatcg 240
ggtaatactt ccgtgttcga gatgagctac agcgagacag aagccttgtt ggacatgcac 300
atcgtaaggt tttcacacac gccggtcgag gaccatcct 339

<210> 21979
<211> 429
<212> DNA
<213> A.fumigatus

<400> 21979
tctaccgccg ctcaatgtcg tggtcttgca gagaagactc tgaacaagga ggctgcatgc 60
acccttgcgc cttgttcctt caacggcgtc caccagcctt cacttgagaa gacatttgcc 120
agggaagacg tatatatttt ttcttacttc tacgaccgca ccaagcctct gggcatgcct 180
gactctttca ctttggatga attgcatcag cttacgtcga ccgtttgtgg tggcgaagat 240
agctggggca tctttgcagg catcgaaggt gccctgaaag agcttcgtga tcggcccgag 300
tggtgcctgg atttgaactt catgatgagt ctgctgcaca ctggctatga aatgcccctc 360
agtcgcgagg tgaaaattgc caagaagatc aagaacagag aacttggatg gtgtctcggt 420
gcaaggtaa 429

<210> 21980
<211> 279
<212> DNA
<213> A.fumigatus

<400> 21980
attttcacga cagtccgcca attgaacccg ccagcgcacc tacgtcttca ccaccgtcgt 60
caacctaata actcctaccc aaccgtaaaa atggagaacg agaagggaga gatcgttgat 120
ctgtacgtga atactcattc cttcgctgtt ttgcgcttga agtggtttta tggtggtcct 180
ggagccgaga atgacttcgc gatttgggac aatgcacaag aggacaagag acaagctggg 240
gcgagcttca gccttcatca tgggagtgtt gcagaatag 279

<210> 21981
<211> 231
<212> DNA
<213> A.fumigatus

<400> 21981
gcacgtcttc tccttactct tattcgtctg tttcgaccaa gagcggtagc ggtgcgcttg 60
cacgattggc gcaaagacat aggcccgatc gaaatagagc tgatccctat gcgacgcagt 120
attaacatgg ctggtctcga aatccgctcc cggtgcgaaa cctacaagtc attgtgcatc 180
atgggggtga tctggagttc cgagccgatg gaaaccgggg tcagattctg a 231

<210> 21982
<211> 186
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (159)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21982
aggttgcgaa tacgaaaact gactcgtttc ccagttctcg atgacaacac gtatacaaac 60
aagacgtggg ctgaggtttc tggtatccca gtcccagaat tccacgtgat gggaagtcaa 120

atttctcagc aaatgtgcgg tacaatctct atgcatcana aggaagattg ggctctatgg 180
gcatac 186

<210> 21983
<211> 564
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (24),(33),(38),(41)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21983
cgcgcccccc ccaggatgga gctnctttтc acncccgngg ngaagacgaa tactatccac 60
cgacggcctg accagctcag gcttctgtcc attcaggaag atcgcctccg cgtgttgagc 120
cgcaaacgcc ttgcccgccg acgaggtccc cgcctgcaag aggaacggcg tgcgctgcgg 180
actcggctcg cagagatgcg gaccaggcac attgaaatac ttgccccggt gatggacctg 240
cctcacggcc ttggggtcgg cgtatcccgc cacgccatcc ttgcggttga cggcgccgtc 300
ccgccacgag ccctcccaca gcttgtacgt gacgtgcaga tactcgtccg caatacgata 360
ccgctcatca tgttccacct gcgtgttgag accaaagttc cgcgccgcgg aatccaggta 420
cgaagtgacg atgttccatc ccacgcgtcc gttgctgaga tggtcgaccg tcgagaaccg 480
ccgcgccagg gcatagggcg cgtcataggt tgtcgacgcc gtgatgccga agccgatgct 540
ctccctcggg gccgccatcg ccga 564

<210> 21984
<211> 564
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (524),(527),(532),(541)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21984
tcggcgatgg cggccccgag ggagagcatc ggcttcggca tcacggcgtc gacaacctat 60
gacgcgccct atgccctggc gcggcggttc tcgacggtcg accatctcag caacggacgc 120
gtgggatgga acatcgtcac ttcgtacctg gattccgcgg cgcggaactt tggtctcaac 180
acgcaggtgg aacatgatga gcggtatcgt attgcggacg agtatctgca cgtcacgtac 240
aagctgtggg agggctcgtg gcgggacggc gccgtcaacc gcaaggatgg cgtggcggga 300
tacgccgacc ccaaggccgt gaggcaggtc catcaccggg gcaagtattt caatgtgcct 360
ggtccgcatc tctgcgagcc gagtccgcag cgcacgccgt tcctcttgca ggcggggacc 420
tcgtcggcgg gcaaggcgtt tgcggctcaa cacgcggagg cgatcttcct gaatggacag 480
aagcctgagc tggtcaggcc gtcggtggat agtattcgtc ttcnccncgg gngtgaaaag 540
nagctccatc ctgggggggg cgcg 564

<210> 21985
<211> 354
<212> DNA
<213> A.fumigatus

<400> 21985
agctgtgcag aagttcaacg aagatattca ggcggccttg aggcgggctc ttttggtgac 60
cccaactgca gcagttggta caagaccgag gatggacgca tcaccgataa ctggcatagt 120
acggttgttg actaccagaa cgagctgtcc agcatccggt gggatgacta tatcgccgaa 180

ggaaccggcg agtctctgat tgcaaagaag aaggaaatgc acattggacg ggtgagagag 240
gagacgtgga tcagcaacac ctcgcttctc tggggtgtgg ccagtgtggc tgtggcattg 300
ggaggatact atctcaaggg gagtgctttg atcagaggaa atcgagtgag atga 354

<210> 21986
<211> 516
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (8)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21986
tcacttcngg gtttgataac attttgcgcg gcattttggg ctcttgtggt gaagacccac 60
aggagccctg aggctcagca cctcggtctg tccgtcaaga tgttgactgg tgatgccctt 120
gccatcgcca aggaaacctg caagatgctt gccctgagca ccaaggtgta cgactccgag 180
cgtctgatcc acggtggtct tgccggctct gcccagcacg acctcgttga gaaggctgat 240
ggtttcgctg aggtcttccc cgagcacaag tatcaggtcg tcgagatgtt gcagcagcgt 300
ggccacttga ctgccgtgac tggtgacggt gtcgacgacg ctccctctct gaagaaagct 360
gactgtggta tggccgtcga tggttccact gaggctgccc aggccgctgc tgatatcgtc 420
ttccttgccc ctggtctcag caccatcggc gatgccatcc agcttgcccg tcagatcttc 480
cagcgtatga aggcctacat tcagtaccgt attgcc 516

<210> 21987
<211> 342
<212> DNA
<213> A.fumigatus

<400> 21987
gaccaggggc aaggaagacg atatcagcag cggcctgggc agcctcagtg gaaccatcga 60
cggccatacc acagtcagct ttcttcagag agggagcgtc gtcgacaccg tcaccagtca 120
cggcagtcaa gtggccacgc tgctgcaaca tctcgacgac ctgatacttg tgctcgggga 180
agacctcagc gaaaccatca gccttctcaa cgaggtcgtg ctgggcagag ccggcaagac 240
caccgtggat cagacgctcg gagtcgtaca ccttggtgct cagggcaagc atcttgcagg 300
tttccttggc gatggcaagg gcatcaccag tcaacatctt ga 342

<210> 21988
<211> 507
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (5),(10)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 21988
ttacnggggn taacctttgc gcggattttc gctcctgtgg tgaaaaggta taggggtctt 60
cccgaaaatt tcgtggagag gtatgaacct cctgcccccc cgcggccgac gcgccctagc 120
agaccaaaga aagaagccaa tgctgccact ccatccgaac ctgctgctgc ggaaactcat 180
gtagaacgcc ttccctctcc gggaccagca ccggagagcg ccccttcgct cgaacaggaa 240
cctgtcctcg aaccgcccag atcacctccg attgctgtgc aagcgccggc atttgaggcg 300
tcttccccgc cacagccagt cgaagctcaa gctccaattc cggcggcccc gcccaccgct 360
ccctcggagt caagtgagcc gaaagagcta gccaccaaat cggcatctaa accagcacct 420

cccccggtcg cacagaaacc tagtgggtca tcatttaagg accggatcgc ggctttcaac 480
aaacctgctg cgccgcctat cgcgcct 507

<210> 21989
<211> 189
<212> DNA
<213> A.fumigatus

<400> 21989
ttcccccaat tcgcgctcgc ggtggctcct gcccatggtg aaaacttgtg ccacgtgacc 60
attctgtttg atttggtctt tgttgtgcag cactatatcc tctacagaga ctccatggaa 120
ggcaagatcg atcgccatcc agacctcgtc acccccctat tgtcggaccc aagaggtgct 180
agcgcttga 189

<210> 21990
<211> 390
<212> DNA
<213> A.fumigatus

<400> 21990
tttaaaagca ttccggccga ccagctggcc cctggtatcg ataacgcgca gaaattcacc 60
tcagtctgta tcaacaccgc cgtctacctc ccttggcttg ttgggcaatg ccgaaagaac 120
ggggtggtat tcaaaagagc cgtcttcaag cacgttacgg aagctgcaag cgcccaccac 180
tccggcaaga aggccgacgt ggtggtgaat tgcactggtc tctcgtctaa aaagctgggc 240
ggagtatgtg atgagaagct atatccggct cgcggccaga tcgtcgtggt ccgcaacgat 300
cccggagcca tgttttccat ctctggatgc gatgatggtg cccacgagct gtcttcacca 360
agggccgaga tccgcgatgg ttaccacgga 390

<210> 21991
<211> 324
<212> DNA
<213> A.fumigatus

<400> 21991
gtaaacgaaa tcctcattta ttttcttcat ctaggatcaa ccgcatctga caaacagttg 60
aacagtatca tcctaattcc cggtattggc atgctccctg tccgagaatg gtcgattctg 120
ttgcggcagt ggacggcttt tttcgactcg acggaatccc gcgtcaattt cttcacctac 180
gactatcaga ttacgctcga caacactttc tcgtttcgag ccctattaga caaagggcat 240
gacttgctgg ctgctctcaa tcaacaccag cagaatgtgc gtgtcttctc caacgcagaa 300
tgcctccgat ggcaacgagg ctaa 324

<210> 21992
<211> 642
<212> DNA
<213> A.fumigatus

<400> 21992
gccgcaaacc tcaaacagga aactgatcac ggcaaggctg gttttctgga tactcgcatg 60
gtcgacttct ctcgtccctc agtaacttct cagagaaacc gactggtcgc aagcgagatt 120
catcaagttg cacccgccgt acctccagaa gacagccaac caggaaggac agataacgcc 180
gtaccaggtt ccagtcaaaa tcccctcctg tttctcaaaa acccccgata tggactgcca 240
cctgctctgg tggccaatct tgctgcgctt ggggttacca gcatctaccc gtggcaggcg 300
tcatgtttgc ttgctcgggg gctcctcgaa ggagagaggc atcttgtcta tacagcaccc 360
acaggaggtg gcaagtccct cgtggccgat gtcttgatgc tgaagcgcat cattgaacat 420
ccgtctcgca aggccatcct tgtccttccg tatgtggcac ttgttcagga aaagctgaag 480
tggctgagac gcattgtgga aaacgttgaa aagaatgtcg ctgacgatga tgacgaagcg 540

gctcggttga agccatatta ccagcgttgg aaaaagctac agaaatctat taggggtcac 600
ggatactttg gtgggaataa gaccgctgcc tctgggggct ga 642

<210> 21993
<211> 429
<212> DNA
<213> A.fumigatus

<400> 21993
gccgaaactt gcgcgggaga ggaaatggta caagttccag ataacgagac cagagccttg 60
agaatgaaac ttttggctgc ttctttcttt gctctctggg ctgtgggaga tgctgcaccg 120
agcagtgttt ccaatcccag agtccgagtc cgaaatggta cctacgttgg catgagaaat 180
gtgaattacc aacaagattt ctttttaggc atgccgtatg cccagcagcc cgtgggaaat 240
ctgcgattca gagtccctca atctttgaat gatagctggg atggggagcg cgatgcaaag 300
aaatactcgg atatctgtgt tgggtatggc gtaagtcaac acctccctct ttggcagacc 360
tcaggcgagc tgactgagag tagtcggact ctatttggta tccgatgtct gaagcttgtc 420
tcaccataa 429

<210> 21994
<211> 246
<212> DNA
<213> A.fumigatus

<400> 21994
tcggactcta tttggtatcc gatgtctgaa gcttgtctca ccataaacgt catccgcggt 60
tcgtcggttg atgagaactc gaaactgcct gttggcgtgt ggatacatgg gggtggattc 120
tacatgggct caggctctga ccagcgctat aatatgtctg ctatcgttgc caactcgtac 180
gaaattggta ggccatactt ccaggccaca aaaaggcctc ctatcacatg cccactattt 240
catgca 246

<210> 21995
<211> 258
<212> DNA
<213> A.fumigatus

<400> 21995
gtctgtggtg ctagcggaac cggtatgttt caaagttcgt ctacctggcc actgttcccc 60
atactgacct ggtatttcct ttgcacagga cgtacaacct ttgtcaacac cctttgcgga 120
aagaaagtcc ttgagagcaa ggatgccgac gatgctgcca gcgctcacat tgaggagggt 180
gttcgtatca agcctgtcac agtcggtaag ttaccatcag tgcttaggta cccagaagaa 240
acagcactga tttcataa 258

<210> 21996
<211> 183
<212> DNA
<213> A.fumigatus

<400> 21996
ctgttcttca gctttggtga aatcgtcgga tacctcgaac gccaatatga cgatattctt 60
gctgaagaat cgcgaatcaa gcgtaaccct cgcttcaggg acaaccgtgt ccatgtcctc 120
ctctacttta tcacacccac agttttcacc acggggcccg aaggaccgcg caagcgtata 180
taa 183

<210> 21997
<211> 192
<212> DNA

<213> A.fumigatus

<400> 21997
cgtcgtcatc ttcaaatcca gctgacacgg ctgccaggca ccaaccccaa ggactggaaa 60
ctgcctagct ggcttccagc gagcaacaac accaatacag gcgatgatat cgccggcaca 120
gttgaagccg ttggcgacaa tgtcttcggc ttctccaagg gtgaccgggt cgctgcattc 180
cacgtcatga tg 192

<210> 21998
<211> 699
<212> DNA
<213> A.fumigatus

<400> 21998
acgattactt cctcccgtcg tttagaatct gtctcgccca ggaggatcct catgggtatt 60
gcttccagat atgccgctat ctcatttcca ttggtgattc ttgccgtata ctcaatccag 120
aaggtatacc ttcgaacttc acggcagctg cgattcttag accttgaagc caaggcacct 180
ttatactctc atttcagcga ctgcctcaac ggcctggtga ctttgagagc tttcggttgg 240
cagccagcgc tggaggacaa gaattttcag ctgcttgact attcgcaaag accattctat 300
ctcttgtacg ctatacagcg ttggctgacc ctgacgctgg acatggtcgt ggcggcaatt 360
gctgtcatac tgattgttct cgtggtaaca ttgaggggga cgatcagcgc acgtgacgtt 420
ggcgtggcat tgttgaacgt gatattgttc agccaaagca tcaaactgct tgtgaccttc 480
tggacaaacc ttgagaacca tattggctcc atcgtgcgaa tccgctcttt cacagagacc 540
gtcagctcag agaacctgcc aactgagaaa gacgacgtgc ctcccaactg gccttgggga 600
agggacatcc aattccaatc agtatttgca gagttacggg tagcagattg ccttcgagcc 660
tttaataccc acttaaccct tattaaagac cttccgtag 699

<210> 21999
<211> 333
<212> DNA
<213> A.fumigatus

<400> 21999
gcaatggcca ccataaccca agttcagaca caggagacac acacggtctt gccgaagagc 60
cttacggtag tgccaggcca gatcaccgtc aaggagatct cgaatctcga cctgccagat 120
atccccccttc caccaccatc cacgaaccca tctgagatcc tcgctcaaga caagggcaca 180
ccagacaatc atgttcctcg agaccctcgg ctcatcagat taacgggcgt ccacccattc 240
aatgtcgagc ctccactgac agctttgttc aacgaaggta tcgtcttcac cacaaagggg 300
aaggaacgag ccgcgcaagc gaatccacgc ccc 333

<210> 22000
<211> 651
<212> DNA
<213> A.fumigatus

<400> 22000
gtcgtgcttt accctgattg cactcaccgc cgcaagtcgt ccttggtttc agtagatgac 60
tcaagatcaa gaccacacct tgacaataca gacgagagga cggcatgttt tgtacactcc 120
ttgatcatgg gtgaatggat atcaccgcca tccaaagaca tccgaccaga cgcgaagccg 180
agcaaagcgc acggaacaac cccgcagacc accgtcgtcg acgacgacgc gattaaaccg 240
tccgaggcga aggaccgaaa ggctctcaag acaaccccta cagtggtgca atcgcggcac 300
ctgaccaaga agcagctgtc ggatatggca tggaatgtgc gcaagctgtc aaagaagcta 360
gggagcatca agctcaagct tacggtgaag agcgtattgt tggtgacaaa ggtacgcgac 420
gaatctcttg tcgtacttac acggaaagtt acccagtggc tgctctccaa ggatcgctcg 480
acaaaatatg tcgtctacgt ggagaagcgg ctggagacgc accggaattt ggagcgactc 540
agctccttca agaagaacct acagccgaag gcggctcaag tactgggatg caaacatggc 600

atcaaaagaa gccaatctaa tcgacttcgt tcttacctaa gaaggggatg a 651

<210> 22001
<211> 234
<212> DNA
<213> A.fumigatus

<400> 22001
tggggcgtat gcgggctctt tcgacaacct gggcgtgaag agggcataac gaggaatatc 60
tatctaatct ctgtatgtag ctgctccaca actagcttgg cgggtacgtg gataaaacat 120
agtcacggat taaaagacca aaaacaaaag ccaactaact ccattaacaa tttcttcgga 180
gcaatgagtg tccaatgggt cctagtaccg tccttgaacc ttcaaggtat ctag 234

<210> 22002
<211> 216
<212> DNA
<213> A.fumigatus

<400> 22002
ccatatcgca ctctagccaa gagagtcttt aagatcaaga acttctccga tgtcgacgcc 60
actctcttcg agcctgcttc ctgcgccgcc cacggtctgg acaagattgc tcccaagatg 120
ggctcttccg ttctgctgtt cggtgctggc cccactggtc tggtatgtgg tttcaggtct 180
ggtagttgtg acatcacggg aactgactat gtgtag 216

<210> 22003
<211> 354
<212> DNA
<213> A.fumigatus

<400> 22003
atccttgctc agatgctccg tctgaacggt ggatgcaagg ttactgttgt tgctcctgag 60
ggtctcaaga tggacctggc caagaacctc ggtgccggtg acgaatacgt cgacttgtcc 120
cgcaaggacc cctccgctca gttcgagaag ctcaagtcgg acaacccgta tggctttgac 180
atcgtcgtcg aagccactgg taacctcaac atcctcaacg actccatcaa ctatgtccgt 240
cgcggcggta agctcgtcgt gtacggtgtg tacgccaaca aggaccgtgt ctcatggccc 300
cctgccaaga tctgtgagtt cttcttcccc ttgcttctgc tgagtgcttg ctaa 354

<210> 22004
<211> 267
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (4),(10),(11),(22)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22004
gggngttttn nattgatggc cnttcgaacc cccggtgaag acattatgca gcgagacaag 60
aagttgtatg gagaggacgc ggaggagttc aagcccgagc gttggctcga tgccgaacgg 120
gccaagcggt acaacaagta tagcttcaca tttgggtacg gagcgcgagt gtgtctgggg 180
agggatattg ccatgatgga gctgtacaaa gggccattgc aggtgggtac ttgtattccc 240
cgtttcactg ttggacacca atgctga 267

<210> 22005
<211> 249

<212> DNA
<213> A.fumigatus

<400> 22005
atttcatcct caccagtcct catcaccatc atgaagttca cttctgtcct cgcctccggc 60
ttgcttgcca cggctgccat cgctgctccc ctcccagaac aacgtctagc ccggcatgcc 120
cgtcctctgg cccgcaccgc ctacagatcg agccaccctc cctacaagcc cggcacttcc 180
gatgttttca aactcatcaa caccacccaa ggtcgagtta agctccaact gggctgggtg 240
ccgtcctca 249

<210> 22006
<211> 636
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (1),(5)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22006
nactntgagc tgaaattcag agtgcagaag gatggagagg aagaatacat cgtccgcagc 60
catagcaact accttatcaa ccgatcagtg agcgccgaag tcaatctcga ccctggtcga 120
tatcatgtac tcgtgaaagt cactgcctac agaagagaca acgtggagtc cacagaagag 180
gtcgtgagcc gcctggcacc aattaagcgg gagaagctcg ttcagattgg cctctcgtat 240
gatctcgcgc acgccaaggg tctggtcgta gagaccgagc aggagaagca agcacgggag 300
gaacgtgagc tgcgtcgcag aaaacttgag agacgaaagc tgcgcgaaga aaccaagagg 360
aggcttcaaa aggagtggat tcgcgaacgc aagatggctg cacggaaaga gcgggccgca 420
gcgagacgtg tcgcaatgag caacggcagc ctcaaccaca agcagcctga caagcaggcc 480
gctgagcaga tctttcccga tggtcctgtg caatctcccg cagatttggc aggcgcctct 540
accaatggtt tcgatacgat gcctgtgccc aacagcagcg tccccacggt cttcacccgg 600
ggtggaaggg catgctattc gatgcaaccc ggcagc 636

<210> 22007
<211> 432
<212> DNA
<213> A.fumigatus

<400> 22007
cagacacccg aagcactgcc tggattctgg atcttcatgt accgcgtctc gccgttcact 60
tactgggtgg gcggaatggc cgccacgcag ctgcacggcc gtgcagtgaa gtgcagcgca 120
gccgaaacag ccatcttcaa ccctccatcg gggctgacat gccaggaata catggcagac 180
tacatggccg tggcaccggg gcacctcagc aatcccaacg caacgtcttc atgcgaattc 240
tgctccctct ctgtcgcaga ccagtacctg gcgagcgtca acatctactg gagcgagcgg 300
tggcgcaact tcgggatctt ctgggcgtac gtcgtattcg acatcgccgt ggccgtgatg 360
ctctactact gtttccgggt gaagaagtgg aacttttcat tcggcaagcg caagaagagc 420
aaggctgctt aa 432

<210> 22008
<211> 384
<212> DNA
<213> A.fumigatus

<400> 22008
agatttgtct gctcgctctg ctctcgtcgt ttctgccgtc aggagcacct gaagcgtcat 60
taccgctcgc ttcacactca ggacaagccg tttgagtgcc atgagtgcgg taagaagttc 120

tctcgcagcg acaaccttgc tcagcatgcc aggactcacg gtggtggttc cattgtgatg 180
ggtgttatcg acacaaacag ctcgaacact caacccgcgt tcgatgagcc tgagccgcgg 240
gctttgggcc tcgctctgta cgaagccgcc aacgccgcaa cgagcaagtc gacgacgagc 300
gagtcatccg atggaactat ttcagacacg tcgtccgtcg gtgggcggcc tgccaagaag 360
cgccgacggg acgaccacgt ctga 384

<210> 22009
<211> 471
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (13)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22009
cggcctaacc tancgcggtc ctcgcccctc gtggggcgta ctcacgattg tcacatgcaa 60
agatttggcg ccctcaacaa tgccatcatc gacctggtgg aagaattcgg gctcgtggca 120
tttgagacac tggccgtgga agacaagaag agcatgatga atttgttgcg agttattgat 180
agggcaagtg ggtatgcatt cgggcccgct gagggtgcaa atgataccat ctggcaggtt 240
gctgtccggg aaggactagg gaccatggat atccgagacg tccaggaacg atggctcgac 300
gcgaaggacg aatacgacgc gcaagaacgc agtgagctcg aggccgaggc gaaagccagg 360
gaacaggctg cacagccgcc gccgagagag gacgatgaac tcgatgccga cttggcgaac 420
ttcaggggct cgctccccga cagcggcgta aaagtgatac ggaagtcatg a 471

<210> 22010
<211> 249
<212> DNA
<213> A.fumigatus

<400> 22010
tcctcctcat catcacttcc catatccaga tcatcctcat ccatcacctc tcgcacagag 60
gcagcggcaa atctgcccac agccgcggcc tccctgtcct ccaacccccc aaccaaccct 120
tccaaaaccc ccatctcatc cgcccccttc agccgcgata tttccctgcg cgccccccga 180
atcgcctcct cctcaacctc cttcatcgtc ccagacacct tcctttaccc gaaccacccc 240
caatcgctt 249

<210> 22011
<211> 438
<212> DNA
<213> A.fumigatus

<400> 22011
accatgaagg actcaaatca tgacttccgt atcactttta cgccgctgtc ggggagcgag 60
cccctgaagt tcgccaagtc ggcatcgagt tcatcgtcct ctctcggcgg cggctgtgca 120
gcctgttccc tggctttcgc ctcggcctcg agctcactgc gttcttgcgc gtcgtattcg 180
tccttcgcgt cgagccatcg ttcctggacg tctcggatat ccatggtccc tagtccttcc 240
cggacagcaa cctgccagat ggtatcattt gcaccctcag cgggcccgaa tgcataccca 300
cttgccctat caataactcg caacaaattc atcatgctct tcttgtcttc cacggccagt 360
gtctcaaatg ccacgagccc gaattcttcc accaggtcga tgatggcatt gttgagggcg 420
ccaaatcttt gcatgtga 438

<210> 22012
<211> 285
<212> DNA

<213> A.fumigatus

<220>
<221> unsure
<222> (11)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22012
tcgacttgca ntatagaacg gccccttcag cccgcggtga agacccacaa caatcactcc 60
ctctccaact tcaagaaccc ttcgcaacga gatcccctcg tcgaagctcg ttcgacaatc 120
aggaaaaact cggcctcggc acctgttcga cggagaatca gccgcgcttg tgaccaatgc 180
aatcagctac gcaccaaatg cgacgggcag aacccgtgcg ctcattgtat tggtagagtt 240
cccaacagct acccgaactt tgtactgcgg aacgtgccat actga 285

<210> 22013
<211> 444
<212> DNA
<213> A.fumigatus

<400> 22013
cacggaaact attaccctta caagtacgac cttggtcgtt tcaacaccat cggctccatt 60
tcctttgatc acccggaccc ctcaatcttc accgtcctta ccggaccatc agaccatgcg 120
ggtaccgcta ttgcggactt cgtgatcttc ccgcctcgct ggctggttgc agagaacacc 180
ttccgtcctc catggtatca ccggaacacc atgtccgagt tcatggggct gatctgcggc 240
aattacgatg cgaagacggg cggcggtttc cagcctgcag gcgccagctt acacaacgtc 300
atgagtgctc atggtcccga cgcggacgct ttcgagggcg ccagcaatgc tgagctaaaa 360
ccccagaagg ttggcgatgg aagcatggcg ttcatgtttg agaggtatgt agtgttacgc 420
tacattgaaa gattcaaata ctga 444

<210> 22014
<211> 630
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (132)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22014
acttcgtcta aatttgagga agtaccttgg gtttggtccc attcggggaa cgacttgggt 60
aacctgatga agatcatgtt gtgcaaacct ctgccagaaa acgaggagga tttccacaca 120
cttctgaaga tnttcttccg gtcgctatac gacatcaaat acttgatgaa acatgcagga 180
cgcaatcaag ctgtcaacga ttcgccgctg actccagccg ccgcgcagat cttgacgaac 240
ctgggccaaa agtccggtct tcaggatatt gcagacgagc tcggtgtgaa acgggtcggc 300
attgcgcatc aggcagggtc tgactcactc gtcacgggcg agatctactg gaagatgcgt 360
cagctgatct tcaatggcaa aatcgatgag ggtaagtatt cggggcagat ctggggtctc 420
aacggccaaa tgccagcaat gacatatcat atgcaacctc accaaacacc gaatctcaat 480
ggagccacca tttattcagc agccgggaca ccgagcacac ccaatactgg tcgtcaaact 540
cctcaacatc acggtggcaa tataggtggt gcactaactc ctggtggtcc aggtggagtc 600
atgggggcgt ttcaaacagg gaaggcatga 630

<210> 22015
<211> 198
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (165)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22015
aatcgtgcgg caggcgccaa caagcattgg gtgatcgcca ctgttctagc cggagcaccc 60
gctgaagatt atccaccctc gaggacagtc tacgcatgga agggcacctc cacagtcata 120
ctggcagtcc tagggaacga gagggccttt ccaacccagg tagtnatcgg cagacgggcc 180
gaagatccac gcaatcgg 198

<210> 22016
<211> 429
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (34)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22016
tggtacttcc acaccacggc aatgtttgag ggtntccctc accgggagca cgtccccatt 60
ttcaaggcct attacctgct ccaggctagt tactgggctc agcaagcgat tgtattgctg 120
ttacaactcg aaaagccccg aaaggatttc aaggaacttg tcggtcatca catcatcact 180
ttggcgctga tcgggttgag ttaccggttc cacttcacct atatgggcat tgcggtctat 240
atcacccacg acatctcaga tttcttccta gcggtatgcc tgcaaggatt cttcttactt 300
gaacgagagc taactgatgc ttcttgtaga cctcaaaaac cctcaactac ctggactcca 360
tcatcactgt accatacttt ggcaccttcg tccttatgtg gatctacctc cgccatttcc 420
tcaacctga 429

<210> 22017
<211> 396
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (368),(372)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22017
acctcaaaaa ccctcaacta cctggactcc atcatcactg taccatactt tggcaccttc 60
gtccttatgt ggatctacct ccgccatttc ctcaacctga agatcctctg ggccgtgctg 120
accgaattcc gcaccgttgg cccctacgag ctcaactggg agacccagca atacaaatgc 180
tggatcagtc agatcatcac ctttgtcctg ctggccagtc tgcaagcagt caatctcttc 240
tggctcttct tgatcctccg cattctcaag aactacatct tcaacagcgt gaagaaggac 300
gaaagaagcg acgacgagac cgaagaggaa cttgaacatg aggcagagag ccgtggcacc 360
cttgcttntt tngtccagcg cagcagaatc cgagaa 396

<210> 22018
<211> 567
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (28)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22018
ccttgctggt gctggccgtg tggagaanac ttcccagagc cggaggatct taaggaaatc 60
ccccagaagg tcgatggtgc tgagttcttg gtcaacctga tcgattcccc cggtcacgtt 120
gacttctcct ctgaggtcac tgccgctctc cgtgtcactg acggtgccct ggtcgtcgtc 180
gactgcgttg agggtgtctg tgtccagacc gagaccgtct tgcgtcaggc cctgaccgag 240
cgtatcaagc ctgtcctgat catcaacaag gtcgaccgtg ctctgctcga acttcaggtt 300
tccaaggagg atctctacca gtccttctct cgtaccgttg agtccgttaa cgtcatcatc 360
gccacctacc acgacaaggc tcttggtgat gttcaggtct accccgaccg cggtaccgtt 420
gctttcggtt ccggtctcca cggatgggct ttcaccgtcc gccagttcgc tgtcaagtac 480
gccaagaagt tcggtgttga ccgtaagaag atgcttgagc gtctctgggt gagtggaaca 540
tatctttttc ccggaaggaa aatataa 567

<210> 22019
<211> 576
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (549)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22019
gctagctggt tatattttcc ttccgggaaa aagatatgtt ccactcaccc agagacgctc 60
aagcatcttc ttacggtcaa caccgaactt cttggcgtac ttgacagcga actggcggac 120
ggtgaaagcc catccgtgga gaccggaacc gaaagcaacg gtaccgcggt cggggtagac 180
ctgaacatca ccaagagcct tgtcgtggta ggtggcgatg atgacgttaa cggactcaac 240
ggtacgagag aaggactggt agagatcctc cttggaaacc tgaagttcga gcagagcacg 300
gtcgaccttg ttgatgatca ggacaggctt gatacgctcg gtcagggcct gacgcaagac 360
ggtctcggtc tggacacaga caccctcaac gcagtcgacg acgaccaggg caccgtcagt 420
gacacggaga gcggcagtga cctcagagga gaagtcaacg tgaccggggg aatcgatcag 480
gttgaccaag aactcagcac catcgacctt ctgggggatt tccttaagat cctccggctc 540
tgggaagtnt tctccacacg gccagcacca gcaagg 576

<210> 22020
<211> 222
<212> DNA
<213> A.fumigatus

<400> 22020
ttcttgtctg tcgcttcaat cgtggtcttt tgtggcgact atgcgagtgt gagctacctc 60
tttctgtcct ctggcgcttc ttgcccgaat ttcgagttcg tggacctgtt ggtccccgag 120
gcatcggcgg gaacatgtta tctacataat cagactcggg aatgtcctct ccggcaatgt 180
cttcgtcaaa aagcaattcc aattccaatt aactcagccc gc 222

<210> 22021
<211> 357
<212> DNA
<213> A.fumigatus

<400> 22021

ttgagccagt cgttacccat acgggtattt ttgctgagta attttgtcaa agatagcgac 60
tcgccgtacc tgaaatgccg cgttccattg gatatactca agacagcatt gactcccttg 120
ggcgatttcc cgcacaagaa cgaggcggtc caatttcaca atcctatcct tttcattcgg 180
gcactgcgaa gtcattacat cccggaggct tcgattccac tcatttcttc cttctttcct 240
cagtcgcgga tcgtcaatat agactgtgga cactgggtgg ttcaggagcg gcctgaggag 300
ctgagatcag gtgatgtgtc cattgcttat ttcttgatcc tcaagtatgt ctgctaa 357

<210> 22022
<211> 375
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (236)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22022
cccaaccaat ctatagaaac atcacctacc acgccagcgc cctcacccgc tccgagcgca 60
gcgccctccg aaaccaacgc ggcctcacaa tctggctcac cggcctctcc gcctcgggta 120
aatccaccat cgccggtcaa ctcgagcaac agctgctccg cgaccggggc gtctccgccc 180
taccgactcg acggcgacaa catccgcttc gggctccaca aggacctagg tttccnccga 240
aaaggaacgc aacgagaact ttccggggca ttggcggaag taccccagct tcttccccga 300
aaagcgccaa acatcgccaa tcacgtcctt ttatcctcgc ccgtaaacaa ggctgaaccg 360
gcaaaaaatg ctcgc 375

<210> 22023
<211> 594
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (474)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22023
aaatggcatc atctcttctt cctccgatgc tccatagtaa tgatttctca ccggattcac 60
cccgcgatca gcgccccgct cttataccaa ttattcaggc catttttgca tacttcaatt 120
cttcatcctt ctgcctctca tacgatcacc ttttctgaga ctaatattca aaaagcacag 180
tcacaatggc cacgtactga cccctcaccc cctcactctt cttcagagcc cgcgctaacc 240
caaccaatct atagaaacat cacctaccac gccagcgccc tcacccgctc cgagcgcagc 300
gccctccgaa accaacgcgg cctcacaatc tggctcaccg gcctctccgc ctcgggtaaa 360
tccaccatcg ccggtcaact cgagcaacag ctgctccgcg accggggcgt ctccgcccta 420
ccgactcgac ggcgacaaca tccgcttcgg gctccacaag gacctaggtt tccnccgaaa 480
aggaacgcaa cgagaacttt ccggggcatt ggcggaagta ccccagcttc ttccccgaaa 540
agcgccaaac atcgccaatc acgtcctttt atcctcgccc gtaaacaagg ctga 594

<210> 22024
<211> 474
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (165)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22024
agcatcccat tgtctggcat ctccgacatt cctttcatgc ggaattcgag gcggggattc 60
cgatcaggta cattcctgca ggtgcactac ggacaaggcc atccagtcat tcgtttaggg 120
ccgaacgctc tgtcttttgc gggaggacaa gctatcccgg ctatntacgg acatgacaca 180
ccagctacca aggatcggca atatttgaat gcggcgggat cccacttcca cttggccgac 240
gtcgtcgata aaaaggaaca cgcgcgaaag cgaaaagtgc tcgcatctgc gtttgccgct 300
acgcacctag aagactggga gtacaaagtg gcagacaagg tgcagcgtct aatgcaacgg 360
ttcgaccagc acttggcaca aatgccagac gacccattgg attaccgatc ctggaccaac 420
ctgttcacga tcgatagtct ctgcgacaca ttgatcgtgg caccgaccgt gtga 474

<210> 22025
<211> 573
<212> DNA
<213> A.fumigatus

<400> 22025
acggatgaca acaacagtga ggaccagacc aatgagaagg tgcgcaaggt actttctggg 60
ttaagcaagt cgactcttgt tgttgcccca ctggcattga tcaaacagtg ggagtcagaa 120
atagcaacca agatcgagga ctctcataag ctacgtgttt gtgtctacca cggaaatact 180
cgtgcgaaag caacggacag cctggacacc tacgatgtgg tgattacgac atatggtacc 240
ttaacctccg aatatggagc tgtcgataag aacaagaaga aagcgggact tttctctgtt 300
tattggtacc ggatagtcct agacgaagcg cataccatca agaatcgaaa tgccaaggca 360
acgcagtctg cctgtgcgct tgatgcagaa tatagatggt gtctttcggg aacgccaatg 420
cagaacaact tggacgagct ccagagtttg atcaagtttc tgcggatcaa accctacaac 480
gaccttgcgg cttggaagga tcagatcaca agaccgttgt ctaacggcca tgcgcccttg 540
cgatttttct ccacagggcg agatccgtta tgg 573

<210> 22026
<211> 240
<212> DNA
<213> A.fumigatus

<400> 22026
tcatacattt acgcaccttc cacttgtccc cttactttga cctcacgcta taaccagttg 60
ccctgcccat cttacctctt cagtcttacc tgcttgctta ttctgcccaa catggagctc 120
tctgctggtt cttcctcgaa agccactcag tctaccactt cccaggcgtc attcaactct 180
ggagacgtta cgttgtgggt tttcgtcgca ctcgagagac cctcacgctc aagtcgttga 240

<210> 22027
<211> 183
<212> DNA
<213> A.fumigatus

<400> 22027
ggtagtgaat caagacatgt cagatctact ctgtcagtca agaatgtctt cactattccc 60
tattctagaa agatgcgttc ttcccagaag tccaacccgg tactggtacg cttacatcat 120
aatgggtcta cccctctagg tagtcataca tttacgcacc ttccacttgt ccccttactt 180
tga 183

<210> 22028
<211> 240
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (125)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22028
ggcaagtttc gagaatacct cgagaggacc acttatataa accaagtatt gggcacgggc 60
tatgccccgc tgcaaggctt ctcgtccaac ctctaccgcc cttaccaagg tcgcgctggt 120
ggtanaaaga gcggtgttct agttcgtcaa cgacttgagc gtgagggtct ctcgagtgcg 180
acgaaaaccc acaacgtaac gtctccagag ttgaatgacg cctgggaagt ggtagactga 240

<210> 22029
<211> 330
<212> DNA
<213> A.fumigatus

<400> 22029
cttgacgcag gatatgtaga agatctctcc aagggcaaga tgctccgatt tgaagaatca 60
ctccccccgcc tgccggtccc ctcgttagaa gaaaccggcc gccgttacct gaaatcagtc 120
cacgccgtgg tttccgaggc cgagtacgag cgcaccaaga aagccgtcga agcctttatc 180
cgtcccggtg gtgaaggtca gcctctgcag gaaagattgc tggctcgcgc cgccgatcca 240
aagtataaga aatggctcac ggaatggtgg aaccacgccg cctacctggg ctaccgggga 300
cctgtcattc cctacgtctc ctacttctaa 330

<210> 22030
<211> 216
<212> DNA
<213> A.fumigatus

<400> 22030
gtgctgtgtt atactcatgc atctattaag tcaatcgttt acatgatcct catcatatca 60
cagtggagga acaaccctaa aattggccaa aaatcttcag cttcttatgt gagaagtaca 120
tctactagct caaggctctt aaccttctgg ataatatgcc acagggtggt tcatcccacc 180
cccaagctgg aaatactaaa ttcccggaaa agctcc 216

<210> 22031
<211> 570
<212> DNA
<213> A.fumigatus

<400> 22031
ggagcgcctt ctttatggtt gacggtcttg atgagtgtca ggctggtctt ccagaacttc 60
ccaacaagat cacgcaaaag tgatcgtcat actcctccta ggcttgactc tctgtataaa 120
cagatgatgc aggaaatccg caagtcagaa gagcatgagc catgtaggga gatcctcaac 180
ttaataacag ccatttatca tcctatcatg ctacaggaac tagcatctat ccgtgaaatc 240
ctagcagagt atcccaataa tgctaaatca ctgaaagaag ctataagact ttgtggctcc 300
ttgacaatcc ataaggggac tgcattcttt gtgtcagcca aggactatct cacaggaata 360
gtctctcagg aactctttct ttcgggaata gaatcggttc atcataccat ttttttaaga 420
tcattatcca gtatggagtt gactctgcat catgatcttt attctctccg taatccaggt 480
ttccctatca acaaggtcag gcgccctgaa cccagatcca ctaagtgctg tgttatactc 540
atgcatctat taagtcaatc gtttacatga 570

<210> 22032
<211> 549
<212> DNA
<213> A.fumigatus

<400> 22032
tgggtttctc ttgccatcat gctggccgac tcgcttgtca gtcttggttg gctggttttg 60
aagcccgtca tcgccaacgc accaaggctc aaggccagat tcttttccag ccgcgccgga 120
aattggattt tggcccaagc gtcgaacaac ggttctcgcc attcttacgt cagatattcc 180
gccctgagtc ccatttctga ggagtcatcg acagcagcct attccaccca cctcccagca 240
aggcacggcg aacccgagga agaagatgat gcgccgcctt cccagctcat ctctactcgg 300
actgtggtca tcctgcttcc cttgaccctg atgctgaacg tagtctgcat gcacattgtc 360
ttcggcgacg ttatgtctcc cttgctctcc agcctggcca ccctcctcgc cgtactacta 420
tcaataatgg gcgttcgggc acttggcgag acagacctga accccgtctc cggaatcagc 480
aaactaacgc agctcctctt ctcgctcgca acacccggtt tgcaccacgc cgctgaaagg 540
aaagaagct 549

<210> 22033
<211> 348
<212> DNA
<213> A.fumigatus

<400> 22033
tcctgccgcg tcgcgcgtca agcattgaag agagaacgag atagttcctc ttgcgactca 60
acagcacagt gcgccatttc tcaagagtct gtatggattg acaatggata tgatctcaat 120
cctggctcct cttgccagag aaattatgag tctactcgca attccgcgtc gataatggcg 180
tgcgttcgtt ccttaggcct ccacgaaccc tcggccttac ctttccttgt cgcagaggat 240
ctcctgcctc ctgatccatc ggagaatcaa tatgaatgga gtacaacggt tgacgaatgt 300
ccgaatgggc tcgtggatga tgaacttgtc tggactacca gctgtgtc 348

<210> 22034
<211> 540
<212> DNA
<213> A.fumigatus

<400> 22034
cattatatga ccgcgcagaa cgagattgag aatgctattg cggagagcca gttgtgcatc 60
aatgccttcg tgggccctgt ttttgcagtc gacttctgct atgttgacga ggactcgcac 120
aacctcctgt ccctggtggc tcatcatctg gtcgttgaca tagtctcgtg gcgtatcatt 180
ctggaggact tggaagattt cctgctaaac cctcaaggct ttgttttaca gaatagctcc 240
cttccatttc agacatggtg ccgcctgcaa gacgagcaat gtgagtctgt ggctttcgag 300
aatgatgtgc aattagagga tcttcctgct ccagaccttg cctactgggg aatggagcat 360
cgtcagatga cgtatggcga cgtgatctgt gagacattcg agcttgatcc cggcagcact 420
cagtcgattc tgcttgaatg tcatcagagt gtacgaacag agcctgttga cctgttcctc 480
gctgctcttg tccactcatt tggacagact ttcggccgag cgtaccgtgc ctcgtgctag 540

<210> 22035
<211> 513
<212> DNA
<213> A.fumigatus

<400> 22035
atcgtggtgg gtgtcaccaa agctgttagt gattgctttg gcagcggagg aattgcagac 60
cgaatgatct ggtccaacgg cttcccgttc gtagacaata aagaagagca tgtcttcaat 120
gtgcctgtct cgcaggccat gacgcctgat cctgtctcgc ttcctgcagc agacttcccc 180
gtgcgtgaag ccgagcatct tctgaatgac aacaaatttc aagggttccc catcgttgag 240
gatcgttcaa gtaaggtctt gatcgggtac atcggccgca ctgaactccg atacgcgatt 300
gaccgggcga agtcggaggg tatattggcc cctaatgctc gctgtgtatt cacgaaggaa 360
gcagccgaag ccgcagtggc gcgcagggca tctgtttcga gaaatcagtt ggtgcccaat 420
acctttgatg caattcaaac tagtttaggg gcgcctttcg tggatttcag ccgagtcttc 480

accacaggcg ccgacggatg cgcaatagga gtt 513

<210> 22036
<211> 426
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (39)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22036
aaaagctcgc gatggtctgc gcttcttcca gccctggcna cgctcgacat cgtcggggca 60
gtcctgttca tcttcggtgt tggcctcatc atcctgggta cagcctgggg agggtcgacg 120
tatccctggt cttcccccga ggttctagtg ccactgattg taggcggcgt atgctttgcg 180
ctgtttttcg tatatgagtg cttcctcgag ccggacagat tgtttgctcg gatgttccca 240
aagcaggtgc ccatgttgcc gtatagcatg tttgctagac gcgatacgat ctggcttgcg 300
gttttggagt tctccagtgg agcaggtact gatgtcatct tttgcttctg tggtcaacag 360
gtactgatgc tggcattgca gctatgtact ccgtctttta tttcatcggt atatatttca 420
cactag 426

<210> 22037
<211> 201
<212> DNA
<213> A.fumigatus

<400> 22037
tgtcatcttt tgcttctgtg gtcaacaggt actgatgctg gcattgcagc tatgtactcc 60
gtcttttatt tcatcggtat atatttcaca ctagttgaag cctatcctgc ctcgagagca 120
ggcatcaacc tgctctacta cattccagga ttaggaggta tttcgcatgc cccctgcttt 180
aattccagta tccacagcta a 201

<210> 22038
<211> 273
<212> DNA
<213> A.fumigatus

<400> 22038
aagacagcac caggggcggc ttgcgttcct gtagcgggcg cgtctccttc gcctgccacc 60
ctcaaccgca tgccgtcctc aacaccgcca gggatgtcaa ctgtaatggt tttcttgtcc 120
cgaacgactc cgttgcctct gcaagtacca cattcagaac cccgagggac gatcatgcct 180
gctcctccac aagcatcaca agtggctgcc acctggaaac caccctgcat gaagtgcaca 240
cgagtgccgg agccgttgca ctggcgacat tga 273

<210> 22039
<211> 546
<212> DNA
<213> A.fumigatus

<400> 22039
gctgctgata tcaatttcga ggatctattc ggtgctttca cgggcggcgc acgtcggagc 60
ggccggggca gacgcggccc ttttcaggag attttggtag gcgaggacat tgaggtccag 120
accaatatct ctttcatgga ggctgcgaaa ggtacatcaa aagatgttgt catcacgccc 180
ttggttgaat gcggtacttg tagaggcggt ggtctgaaag agggtgccaa gcggtctcaa 240
tgtcgccagt gcaacggctc cggcactcgt gtgcacttca tgcagggtgg tttccaggtg 300

gcagccactt gtgatgcttg tggaggagca ggcatgatcg tccctcgggg ttctgaatgt 360
ggtacttgca gaggcaacgg agtcgttcgg gacaagaaaa ccattacagt tgacatccct 420
ggcggtgttg aggacggcat gcggttgagg gtggcaggcg aaggagacgc gcccgctaca 480
ggaacgcaag ccgcccctgg tgctgtcttc taccacaggg gccgaaggat ccgcgcaatg 540
cgtgtg 546

<210> 22040
<211> 300
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (286)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22040
gttcgaaaat atcaagggcg ggcgcacatg tcaaacggtc gtatagacta tcacttacac 60
tattgtacaa tattctactt catgagcttt ccccatcttt tatcactggg atgtaagtat 120
actatgtttc tgcttcatgc ctgtaccacg aaaaaggaat cggaggaaag cttccagcaa 180
gtcaaatgca atcatccatt aaatgtcatt aaggccatcc tctttttttt ttttttttt 240
gtcttcacac ggggctggaa ggatcagaga tctcatttca gtccgngttt cagtgcttca 300

<210> 22041
<211> 501
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (404)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22041
gttaatccaa gcgttgtgct tcttcgacgt ggtgaagact gcacggaagt cattacgatc 60
agtgccgcag gcgtcgtgtt ccatgaccaa ttgaccgcga tcaatatcgc gggcttgctt 120
attaccattg ccagtattgg ttgctacaac tacatgaaga tttccaagat gcgttccgag 180
gcacgacgag gcacctggga gcgcagcccg aacctggact cggaaagtga cgactccggt 240
cgtgctcggt cccgttcgcg tggaacgtat cacagaatta acgatccgga gaccagcatg 300
gtcactccag tgtcgcacgt gccgacaagt gacattcccg ctcctgtcga tgggttgatt 360
ggcgaccggc gctcgttcca agtgagggcc agcggggcca gtancaacat ccatggactc 420
acaatttcca cggggaatct cagcgatagc gacacgcgtc cgttctcccc acgcctggcc 480
ggtccctctc cgctcaagtc c 501

<210> 22042
<211> 627
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (142),(385),(393)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22042
cttgctgctg agcagcatct tacgtatgca ttctgcatct tcttaagggt tcctcggtct 60

ataaatacgg atgattgctg ctcggttcgc cggtcgtcct tctcaatctt ctcccgtctg 120
gtcctctgct ccactcttgt gntcggagtc agtatcatct ttaagacccc cccgcgcata 180
tttgcctcct tccccgctgc gtcttgttca cccaactata cccacactgc caacatgtcg 240
taccaacaag agcgctacat tgccgaactc gctgttcagc gagcaacact tctgacacag 300
aaagttttcc acgagaaggc caagggcaca gtttcaaagg acgacaaatc gcccgtcacc 360
atcggcgact tcggcgctca agctntaatc atncaggccc tccgcaagaa tttccccaac 420
gatgagattg tcgccgaaga ggaggctaac tctcttcggg aggacaaggc gctgagcgca 480
gagatctgga gactggtcaa ggacatcaga ttgggagata acgagagcaa tgagctcctg 540
ggtggtctct tgccaagtga agatgcgatg ctggacatca tcgaccaagg caagtcttca 600
ccacggccct ggaaggacca gcaattg 627

<210> 22043
<211> 189
<212> DNA
<213> A.fumigatus

<400> 22043
agatttgggt tcgcgataac tgaaaggact atccatacca gctatgacag cgtgacacaa 60
tggtacagtg atttaccaag aagctccgat cggaatttca acctgagttc cgcgattggg 120
ctacagggct caaaaacagt ggtcctcaag gccatcatca actatttatc tacttccgcc 180
ggtgactaa 189

<210> 22044
<211> 558
<212> DNA
<213> A.fumigatus

<400> 22044
ggcaacatcg cgtcagtctc gtcgtattcg ctagagagcg tcttccgtct catacctgtt 60
ttcagtccgt tcagtcaaag cgccctgctc atcctgaaat tgctcatccc ttttgccatc 120
atcagtgcta atctgggtat cctcaaccgt cggcttgagg ttgcgcctag cgctctgttc 180
atggttgtca tgtctatctc ggacgtcatg actctcaatt tcttctatat ggtacgggat 240
gaaggttcct ggctggacat cggcaccacc atcagccact ttttgatcgc cagctttctg 300
tgcacctttg ttgcgggact tgagttcctt agcgaggtgt ttatcagcgg ggtggacttc 360
ggaccgacca ctaaggcgat cggggcctct atcaccaaga ccgttggcgg gactgcgggg 420
agcgatgtcg tagattcgca gtccggccct gaagatgcgg cgaacagcaa gaaggcggag 480
ggtctagaag gaagtgaaac gattcgccga catggcggct tatatagccc aggggccgaa 540
agaaccgcgt cagtgttt 558

<210> 22045
<211> 456
<212> DNA
<213> A.fumigatus

<400> 22045
ccctcgcaac gtcacgatct ggggccaatc cgccggcgcc ggctcagtgg ttgcgcaggt 60
tctcgccaac ggacgaggca accaacccaa gctcttcgac aaagcgctcg tcagctcgcc 120
cttctggcca aagacctacg cctacgacgc ccccgaagca gaagccatct acgaccagct 180
tgtcactctc accggctgcg ccaatgccac cgactccctc gcctgcctga aatccgtcga 240
cgtccagacc atccgcgacg caaacctcat catcagcgcc agccacacct acaacacaag 300
ctcctacacc tgggcccccg ttatcgacgg cgaattcctc caagaatccc tcaccaccgc 360
cgtcgcccgc cgcaaaatca aaacccactt cgtcttcggc atgtacaaca cccacgaggg 420
cgagaacttc ctcccctccg gcctgggcaa gaccgc 456

<210> 22046
<211> 480

<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (2)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22046
ancagtcccg acttcggcgg tgaccctcgc aacgtcacga tctggggcca atccgccggc 60
gccggctcag tggttgcgca ggttctcgcc aacggacgag gcaaccaacc caagctcttc 120
gacaaagcgc tcgtcagctc gcccttctgg ccaaagacct acgcctacga cgcccccgaa 180
gcagaagcca tctacgacca gcttgtcact ctcaccggct gcgccaatgc caccgactcc 240
ctcgcctgcc tgaaatccgt cgacgtccag accatccgcg acgcaaacct catcatcagc 300
gccagccaca cctacaacac aagctcctac acctgggccc ccgttatcga cggcgaattc 360
ctccaagaat ccctcaccac cgccgtcgcc cgccgcaaaa tcaaaaccca cttcgtcttc 420
ggcatgtaca acacccacga gggcgagaac ttcctccccc ccggcctggg caagaccgct 480

<210> 22047
<211> 252
<212> DNA
<213> A.fumigatus

<400> 22047
agaggtatca atagtactcc gcagataggt gcaggtaatt attggctggt gatgtattca 60
tacctgaatc acaccgcctc agaattccgc cccctcttca tttcaacgag gacaggctcc 120
gctgtggcta cgaccatcaa aaccaactcc acaacagacc cattggccaa cagaaggcct 180
gtgagatcgt ggttggtttt tccttccgag catccgaaaa ggtcctgttg tcccagtaat 240
cctccatact ag 252

<210> 22048
<211> 339
<212> DNA
<213> A.fumigatus

<400> 22048
atagggagtc tctactcacg tatgacagac tacactgttc cagctactga gatagacctt 60
gcggaagccc ggaaaacttt tgaaaccaac ttcttcgcgg tcatctctat ttgccaggcc 120
ttcttgccat tgctcataaa ggcaaagggc accattgtca tgatcggtag tgtggctggg 180
gttagtaaat ccacttcact gatatcccat ttttctggtt ttgacagtct ccctctttgt 240
aaagatcata ccttatgtgt tcgggtcggt ctacaacgcc tcaaaagcag cgctacattc 300
attcagcgac acgctgcggg tggaacttgc tccctttgg 339

<210> 22049
<211> 234
<212> DNA
<213> A.fumigatus

<400> 22049
accagcggca ccgtcacgac ctctacctac agcactgtct cgaccgtcac tctgacttca 60
acttcgacca tctgcacggc ttgcgaggcc agcgccactc ctgccccttc gtttgccgcc 120
cctgtgacca cggcccctgc ccctgaggat atgaccacta ccgtggtgac atacgagacc 180
gtgaccacct gcccaggagc cttttcacaa cggactggaa ggtccgcaat ggtt 234

<210> 22050
<211> 633

<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (13),(89)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22050
tcatgcttga ccntcgggcg gcggtcgtgt gaaaacgcga cgacacaggc gcagtgcagg 60
tcttcgacgt cgcgtcgcgg ggcgatccnt gaagtacgtt ggaaggacca ccggcagccg 120
gtgtgggtga ccaagttctc gccgagcgat ccaacctcgg tgctgagcgc cagcgacgac 180
cggaccgtgc ggctgtggga tttgccgagc cagagcgccg cgcggacgtt cctggggcat 240
acagactacg tgcgtagcgg ggcgtacatg cctggctcgc tggcggcgtc gggcttggtg 300
gtctcgggga gttatgatcg gacggtgagg ctgtgggatc cccgcgtgga gaaccgggcg 360
gcgatgacgt ttaagatggc ggcgccgatt gagagtgtgt tgccgatgcc gacggggacg 420
acgctgctgg cgtcggcgga gaataaaatc gcggtcctgg atattgtggc ggggaagccg 480
ctgcatatga tccagagtca ccataagacg gtgacggcgc tggcgctggc gtcgaatggg 540
gagaggttgc tgagtggtgc gttggacggg cacatgaacg tgtttgagac cactgggtgg 600
aaccttgtgt ctgggtccaa gtacccccct ccg 633

<210> 22051
<211> 372
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (282),(358)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22051
acgtcatcgc cgcccggttc tccacgcggg gatcccacag cctcaccgtc cgatcataac 60
tccccgagac caccaagccc gacgccgcca gcgagccagg catgtacgcc ccgctacgca 120
cgtagtctgt atgccccagg aacgtccgcg cggcgctctg gctcggcaaa tcccacagcc 180
gcacggtccg gtcgtcgctg gcgctcagca ccgaggttgg atcgctcggc gagaacttgg 240
tcacccacac cggctgccgg tggtccttcc aacgtacttc anggatcgcc ccgcgacgcg 300
acgtcgaaga cctgcactgc gcctgtgtcg tcgcgttttc acacgaccgc cgcccgangg 360
tcaagcatga ag 372

<210> 22052
<211> 633
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (545),(621)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22052
cggaggggg tacttggacc cagacacaag gttccaccca gtggtctcaa acacgttcat 60
gtgcccgtcc aacgcaccac tcagcaacct ctccccattc gacgccagcg ccagcgccgt 120
caccgtctta tggtgactct ggatcatatg cagcggcttc cccgccacaa tatccaggac 180
cgcgatttta ttctccgccg acgccagcag cgtcgtcccc gtcggcatcg gcaacacact 240
ctcaatcggc gccgccatct taaacgtcat cgccgcccgg ttctccacgc ggggatccca 300

cagcctcacc gtccgatcat aactccccga gaccaccaag cccgacgccg ccagcgagcc 360
aggcatgtac gccccgctac gcacgtagtc tgtatgcccc aggaacgtcc gcgcggcgct 420
ctggctcggc aaatcccaca gccgcacggt ccggtcgtcg ctggcgctca gcaccgaggt 480
tggatcgctc ggcgagaact tggtcaccca caccggctgc cggtggtcct tccaacgtac 540
ttcanggatc gccccgcgac gcgacgtcga agacctgcac tgcgcctgtg tcgtcgcgtt 600
ttcacacgac cgccgcccga nggtcaagca tga 633

<210> 22053
<211> 186
<212> DNA
<213> A.fumigatus

<400> 22053
ctctggatca tatgcagcgg cttccccgcc acaatatcca ggaccgcgat tttattctcc 60
gccgacgcca gcagcgtcgt ccccgtcggc atcggcaaca cactctcaat cggcgccgcc 120
atcttaaacg tcatcgccgc ccggttctcc acgcggggat cccacagcct caccgtccga 180
tcataa 186

<210> 22054
<211> 429
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (32)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22054
cgagcgcagt accttccagt cccgtcgtta anagacggga ctctacgggg ggtactgcaa 60
cctgcgtcgt cggcagcgct ggtgggtcag gttctgttac atgctgcgca gggggtaaat 120
gggatgggga tggggtcagg gaacgggaag cagtgtcagg ggaatggggc ggtgggttcg 180
agggggcttt ctgcgacgga atttttacg tttgtcgaag ggggtgggga gtttgcgacc 240
acgagtggca ccgtgtcggg acaagggccg tatacggcgg cgggtggctc atggagtgga 300
cggatgatcc gggagatagt gaaagtgttg caatggcatg ttagtaaggt gctgacactt 360
ttggaggcac tgcaagggac atcgccgttg gcgcggtata agatgagtct acatcagcag 420
tgcatgtag 429

<210> 22055
<211> 237
<212> DNA
<213> A.fumigatus

<400> 22055
gaaaagccac agccgtataa gatcactacg tcctatccca ccttctcttc ctccccacag 60
cttccctcac ccgaattccc ccactctgac tatcggaatc ctcagcctcc ggcaaaaagc 120
aatatctcct acttgccaaa ctacctcccc aattcccttt tacagttaaa tcctcccccg 180
ccatgccaat accaacccac cggtccccgt tcccttgagc ctgccccctt gaacacc 237

<210> 22056
<211> 312
<212> DNA
<213> A.fumigatus

<400> 22056
atgtatgact ttggagtccg gggtgcaagc gacgtcgtca aagcgctggc gctgggcgca 60

aaattcgtct ttgtcggtcg tctgtgggtt tgggggctca gtatcatggg cgaggaaggc 120
gtgcgccatg tcatgaagtc actcctggca gatttcgata tcttaatggg agttggagga 180
ttcaatagta tcaaagactt tgataagtcg atactaggta tgtcgagctc agtgaagaaa 240
ggcacggccg ctgatcattt attagagtcc tatcccaggt cgtataccta cataccgggc 300
aaggttctgt ga 312

<210> 22057
<211> 507
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (7),(8)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22057
gggggtnnac tgaaactgat gctctatgac ttccatcccc gtggtgaaga catcatatta 60
ttcagcttca tgagcctcag tgtccagggt ccaggtgctt ccccagaaat aattcataaa 120
gcagtctatc tctccaccgt gttgttgtta tattcgtcgc gtttctcaat ctctaccgtc 180
gttcgttccc atccgttccg ctcgctgtct atctatacag ccaccatgca attcaaggcg 240
ctcgctaccc tccttttcgc cgccctggcc gtggccaatc ctgctccggc ccctcaggct 300
ggcgacctga acgctctgat gggctccatt cccacctctg tcctcggcgt cctcatgacg 360
gctattcccc cctctgtcgt ttcggccctt gccaacccta cccaggccgc tagcatgttc 420
cagcagatcg agcaaggaca gatcccagac tggtacaaca acctacccga cagcgtcaag 480
gcctgggcta ctagcgctgc cattgct 507

<210> 22058
<211> 630
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (7),(19)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22058
ctaatanata gcggatcgnt gccgggccgt tgtgaaaatg cggtgaatgt tgttctgact 60
cggctcctgg acgctgcgga cacacttagc acgtattcga tcccacggag acctctatcc 120
agccatgact ggggttctgg tgctggtgtc tcgcttgatg agcttaccag tcagcatgcc 180
gaaagagccc ccgagctcat tcaccttaca aagtcagcaa ttgcgtcgga actgaccagc 240
ttcgactcgt ggaccgagcg cccatttgca gatgagcacg ctaagcgctt catggcagag 300
gtctggcaaa gcttagggtc tattgtgctc gatgccgctg atgcgtcccc gaacgagtct 360
aagctggcaa tgtcctacgt ctttcgtatc cttgctcgtc tacaccattc tggcgcagta 420
tctgaccgcg tgtacaaata cgatcctcca agtgcccatc gggtggactt tcggccgccg 480
ggaatgcacc ttttgtcaac tcacatcatg agcgtgttga ccgacgcggc ttggttggca 540
catgaagcag aagtcgcagc caaggctgct gctgcaggca agaagtcgcc atacctccct 600
ttcgatctag gaatacggga acttggacat 630

<210> 22059
<211> 642
<212> DNA
<213> A.fumigatus

<220>

<221> unsure
<222> (527),(573),(609)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22059
ttgctcgtaa cgcaattgcg gtccttccag gccgtggtga agaccgggag gttagtcgac 60
cccaacacga aacgggtgta cacaccgggg atgatttcca aggcgctgga ccagttgagc 120
tcggcgagcg ggcagcagca gatgcagcag gaggggaatg ggaacgggaa cggggcaggg 180
gatgagaatg ggccggcaca gccgcggaag ccgctttgga cgggcgtgac gccgaataag 240
tcggcgaaga gtcaggcgct ggaggcgatg aaggcgttga ttgcgtggca gcctatccct 300
gtgatgcggg ctcggatgcg actccgtgtc acttgtccgg tggcgctgct gaagcagtct 360
gttaaggctg ccgcggcgcc tgggccgaac aaggagaggg aagggccgtc tggcggggcg 420
aaaaataata aaaagggtgg aaagggtggt aaggggaagg ctgtgcggca gcaagactcc 480
gatgtggaag ctggtggctc ggacgcggag atggcgcctg ctttganagc ccctaccaat 540
gtcaaggaca agatcatgag cttcattgag tcngtggaga gtcaagaaat ggttggcggt 600
gatgagtgng aagtggttgg gtttgctgaa ccaggcgcct tc 642

<210> 22060
<211> 252
<212> DNA
<213> A.fumigatus

<400> 22060
ctcttcgccg acttattcgg cgtcacgccc gtccaaagcg gcttccgcgg ctgtgccggc 60
ccattctcat cccctgcccc gttcccgttc ccattcccct cctgctgcat ctgctgctgc 120
ccgctcgccg agctcaactg gtccagcgcc ttggaaatca tccccggtgt gtacacccgt 180
ttcgtgttgg ggtcgactaa cctcccggtc ttcaccacgg cctggaagga ccgcaattgc 240
gttacgagca aa 252

<210> 22061
<211> 258
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (2)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22061
gncggacgga atgagatgga ggctagggca cgcgccaaga aggaaagtca acagaacaac 60
ggaaacaccc cgagcaaaga tgattcgaac agcaaagctt ctcccaaagg gaagaagcgg 120
aagcgatccg acagccgtgg cagtggcaaa gagcaggatg gagaccgcga tgtggaagaa 180
gagaacaaga tcgccaaacg caaccggatc atttctagaa aaaggatgca gcgcaaagct 240
cggaaaggga aggcctaa 258

<210> 22062
<211> 462
<212> DNA
<213> A.fumigatus

<400> 22062
agacttcctc taacggcaag tctcaaccag ggtcctctcg acctccgggt caccgaattg 60
cctaccccat ccccctcgcc atacaagtac ttgatcgagg tccactccgc aggaaccaat 120
ttcttcgacc tgctacagat ccagggtaaa taccagcacc agccgccccc cccttggatc 180
ggaggcgccg agtttgctgg cacgatcctc gctgtgccaa ccggccagaa gaagacccaa 240

ttcaaggtcg gtgaccgagt atttggcgcg acgcagggtg cctacgccac gcacgtgctc 300
gcgcctgaag cgtcgctgct ccccatcccc gctggctgga gctttgagga tgccgccggc 360
ttgtttgtga ccgcgccgac ctcatacggc ggtctggtgc atcgggccaa tgtgcagccg 420
ggtgactggg tccttgtgca tgcggcggcg ggtggacttg gg 462

<210> 22063
<211> 234
<212> DNA
<213> A.fumigatus

<400> 22063
ctacccatag tgtttttctg gtgcgtacaa agcttctgga acatattgaa gagtcccaca 60
cggagtctaa gcaggaagat aactccgtgg aaaagggcta tgcacgatgc cttgctcgca 120
gctaaacaga aattaaggga atactatgac aagactgacc gagaccatgg gttcttatac 180
gctacgggga caatgctcgc cccgcagtat aagctctggg cttttggtga cacg 234

<210> 22064
<211> 717
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (162),(182),(691)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22064
ttgacgtacc tgaagctgac gttgcttgta gcggaagagg cgattagaat gtactcccgc 60
gtactcagaa gtgaactttt tggaaacact gtcccacagg ctgatctgga ttcactgtct 120
cctgatccac tattgggaat tcccaacggt ctcaatgaga anacacgctc tcacacaccc 180
cntgcacaca ccatctcaaa cctaccgccc gccagtatca cgccatcgac gcctcacaaa 240
aacctgttca cttacgcttc tccaagaatt ggatctggtc aaccaacacc atccaagacg 300
ccccgcagtc aacatggtcc caacttaaat gtgcgatcag aactctacag tctatcgccg 360
atccgatacg acagtcaacg catcctcgag actcctcgca agcagcctcg ctacgttaat 420
aaagtaccct ataaggttct cgacgcaccc gatttgcaag atgatttcta cttgaatctg 480
gtggactggg gcagtagtaa tgtgctaggt gttggcctag gcaattcagt gtacatgtgg 540
aattcgaata ccggacgggt gacgaaactt tgcgaactaa gagatgatac tgtcacaagt 600
gttagctgga ttcagagggt aatgagattt ctctatatgt tggcaatgat tattatgtgt 660
ttcatgactg aggacggcac agggcacatt ntttacgacc gccaccagaa gataatt 717

<210> 22065
<211> 357
<212> DNA
<213> A.fumigatus

<400> 22065
tctatgccag acgccgatga ccagatccat cctgcaggtc gccatgtccc gcagacttcc 60
ggtgaaccct cagagggcct accagcatgg atcgaatcgg cgggccccaa ctgctccatt 120
gagaacacgg atattgtcct ctggcataca tttggtctca ctcactttcc gtctcctgaa 180
gacttcccca tcatgcctgc ggagccaatg actgtgctcc tccgccctcg aaacttcttc 240
gctcgcaatc cggcgttgga tgttcccccc agctacgcga gaactccttc ccaggtagcc 300
gctggaacaa atgcatgttc ctgcaagaag attgatgggt ccagcgtcca ggtctga 357

<210> 22066
<211> 231
<212> DNA

<213> A.fumigatus

<220>
<221> unsure
<222> (231)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22066
ccccaaaagg acatggaacc ggggccttct tttagggcgg aaccaatgga aactggggtt 60
tgttccctcc cgtattgttt ttttttgttg gaccaaaaag gcaacggttg ctctcgaaag 120
aagcgcatgc aagaaacggt ccaacatgag ctggcgcatc attggttcga aaacttgttg 180
acattggact tctgggacgg cttgtggctc aacgagggat ttgctacttg n 231

<210> 22067
<211> 948
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (82),(116),(169),(178),(212),(910),(937),(938)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22067
gctggcgcat cattggttcg aaaacttgtt gacattggac ttctgggacg gcttgtggct 60
caacgaggga tttgctactt gnatgtcgtg gtattcctgc aacgcgttct acccgnagtg 120
aaagtctggg aaacgtatgt cattgacagt ctgcagagcg cgctttctnt ggactctntg 180
cgcagcagcc atcccatcga ggtgcctgtg anacgggcag atgagatcaa tcagattttc 240
gacgccatct cctactcgaa gggctcttcg gtcctccgca tgatttccaa gtaccttgga 300
gaagatgtgt tcctccaggg tgtacgtaac tacattaaga agcacgcata cggcaacact 360
caaaccggtg acctgtggtc cgcccttgct gacgccagcg gcaagccggt ggagaaggtg 420
atggacatct ggaccaagaa tgttgggttc cccgtcgtct ctgtgacgga aaatcccagc 480
gcttcttcga tcaagctgaa gcaaaaccgt ttcctgcgca cgggcgatgt gcgtcccgaa 540
gaagacacaa cactgtaccc cgtcattttg ggcttgcgca ccaagcaggg cattgacgag 600
aacacaatgc ttactgaacg tgagggtgaa ttcaaggttc ccgaccttga cttttacaag 660
ctgaatgctg accattccgc catttaccgc acttcttacc cacctgagcg gctcagcaag 720
ctgggagaag cagccaagaa gggacttttg acagttgagg atcgtgcagg tatgattgca 780
gatgctggtg ctctggctgc gtctggttat cagagcactt ctggtctgct gtccctcctg 840
aagggcttcg atagtgaagc tgagttcgtc gtctggaacg agattctgac ccgtgtcggt 900
accgtcttcn acaggcggtc aaagggcagc tctattnnaa aacggccc 948

<210> 22068
<211> 219
<212> DNA
<213> A.fumigatus

<400> 22068
tggtctgcga tggttatatt tcgagacggt gctaactgtc ttccgcgaca aaggaacgcg 60
ccgtatgtat tcggcattcg atccgcggcc tgcgcgctcg cagccggtaa caccaccgtt 120
ctgaaatcct cggaactctc gccgtgttca tactgggcaa tcgcgcgtgc gtgttgcaga 180
tgctggcctg tcttcacgcg gggtggaaga ggcgtgcat 219

<210> 22069
<211> 399
<212> DNA
<213> A.fumigatus

<400> 22069
acaacatttg acgtgatcag cccatacacc aacaaaccgt gttggactac agccagtgcc 60
acccccaag atgcagtccg cgcggtcgaa gccgccgaga acgcattccc agcatggtcg 120
cagaccaaac cgaccgttcg cagagacatc ctgctcaagt ccgcggatat actggagagt 180
cgcctggtcc agaacgccga gtatatgcgc actgagatgg gagccgacgt cggcgcatcg 240
cagttcttca tcgtcccgct gggtattcgc atgctgaggg aaattgctgg gcgcatcact 300
tctatttgcg gaagcgtgcc ggttgttgag gaggagggcc agagtgcaat catttataag 360
gagccaatgg gcgtgattct gggaattgtt ccgtggtag 399

<210> 22070
<211> 468
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (442),(457)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22070
ccttttcctc agagagacta tgcgccggat tattcgtcca tcccacccca cggtcgctgg 60
cagcattttg acgttggcgg gaggccccgt gtgaatcaat tgcttcagtc ttggcctagc 120
acaatcgatg cgcaggaacg gacacggcgt ctgattgacc ttttcgtggt ctccgtcctt 180
cttgatgctg gtgcaggcac gaagtggtcg tacaaatcaa aagaatccgg caaaatttat 240
tctcggagcg agggattagc ggtagccact ctggagatgt tcaagagcgg cttgttcagt 300
agtgatccca cggaaccatg ccaggtcgac ggtgcgggcc taaagaagat cacagtggag 360
gtattggcta gaggaatgca acattctgaa cataatccac tggcagggct tgaaggacgc 420
gctggacggc cgatgagtct tnttttagcg ccagcantga aagtatga 468

<210> 22071
<211> 906
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (22)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22071
cctattgttg cagcttacga gnagattcag cccgttgcag ctgcagtaag taccacaaag 60
cttgtagaat atatacattt aacagggaat agatatatat tcaaatctaa tgatcgactc 120
tacctgcaat actgccaaaa gactggtctc caaccacatt ttgtctcgaa tagccgcggg 180
ctaaaggggt tctggattgg cagtccctcc gcgaaatata tcgtgatcta cttccatggt 240
atgcagcgca gcaaggatgc cgaaaaatta ctgatgatcg gaacaggcgg tggttttgcc 300
atggatgcga cagctcccta ccttgatttt tggccgcgga tacagacgac tctcgcaaat 360
gctggcatag aaaatgcctt gttccattgc acatatacct tgacgccgca cgcggcatat 420
ccgactcagt tttgcgaagc cgttgaagct ctacggtata ttctagagga tgttggccac 480
tcaccgtcgc aagtcctact agttggtgac tctgccggcg caaatctgtg cctggcagta 540
ctgtctcacc taacgcatcc ctctgaagac gtgccagagc tagtcattaa cgaacccatc 600
aaaggtgttg ttcttatgtc tccgtgggtt tcatttcgcc accattggcc gagtgtagaa 660
gccagtgaac atagggatat cgatgcagcg gaggtcctga cggagtggtc gcgagcgtat 720
ctcaatggga gggagtcaaa caactatata gaagcagcgg aagcaccaga gtggtggtgg 780
gacaacatcc gagtccggca gacactggtg ctcgctggtg gtgacgaggc tctatcagac 840
ccgattaaaa cttgggtcaa tagcttcaaa gtgtcttcac cgcgggtctt aaggggcgct 900

cgatag 906

<210> 22072
<211> 597
<212> DNA
<213> A.fumigatus

<400> 22072
accatgcttc cttccagccg tctggttttg acagctgacg gaagatcggc cccaacccaa 60
acccagattt ctacgggaac tcccttctgg tacacataca gtccggaacc atatcccccc 120
tacacggggc cttcccaaac ttcctcccca acctcactta ttcctccccc gccgccacca 180
ccgggaagcc ctgggtctgt ccacgttact caaggcccac cgtctcccac cccccggccg 240
ggcaacaacc cgaagaacgg acacatctgc actgcgaatt gtattccgga acccccgtgc 300
ctcatctgtg gctgcattgg cccaggctgt cggggtggag gccactgtat cggtcgtgga 360
tgcagcagtg gaggtggatc caacggagga ggcgacgaca cgaacagttg ttccacctcg 420
cacactgccg atatctgcac cgattacatc agcagctact ccatcacggg catggacagc 480
tcctcgacca ttactcaggt attcactctt gccatggaca cacggtatcc attcgctaac 540
gatgctagac tgcttgccga accaccactg cctgcgaggt cctgggcaca accataa 597

<210> 22073
<211> 513
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (505)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22073
caaatgtatc atcagaacgc catgctatcg cccttgtcag cgccggtagg tctggcactc 60
cagaacggca gcattctgcc gtttgttgga gccccgcagg aatacatgtc cacggtacct 120
accaatgaga catttggctc ccccccctgag agcagtgttg cgccctctgc caagcccgca 180
tcatcatatc agagacccac tcctcgacca gtggcctctc acgaccggaa cggccctctg 240
atagtcgatg gctccatccc tttgagtgaa cagcgcactt tggtttccgg agaggcttat 300
gatcagtatg ccactatgag ccactgtact tctgcgtctg acgatcgcaa cacggacacc 360
cccgccagca tctccgactc gctttcccag gactaccagg acaatagctc agtcgagatc 420
gaccaatcag cgtacttcac caggcagacg attgatgctc ccaagtcgcg ccatgcaacg 480
gttttcacca gccggccgga aggancagcg atc 513

<210> 22074
<211> 549
<212> DNA
<213> A.fumigatus

<400> 22074
atacgaattg cgcggattct tcggcgcttg tggagaagac ccccgcggat caaaggaaag 60
gtcattctga ccacaggcgt ttcctcaggc tcgcttggtg gcttcttcgt ccaatccatt 120
gccaaggcca agcctgagtg gcttatactg gccgctcgca atgccgataa actggcccag 180
atggcagcag agattgctaa ggcccagcct gatgtaaagg tccgcacact gaaagttgac 240
ttgggctcct tggaaagcgt gcgggatgca gctgcacacg tcaactcctg ggatgatgtc 300
cctgttattg atgtccttgt caacaacgcg ggaatcatgg cagtggatta ccagctctcg 360
cctgacggat tcgagtcgca tctggcaacg aaccatctgg gcccgtttct gttcaccaat 420
ttgatcatga agaagattgt agccgcaaag gaacccaaaa tcgttgttgt cagtagtgat 480
ggccatcggt tgaatccatt ccggttcgat gactataatt tcgatgtagg tcgttcgatg 540
gctctagac 549

<210> 22075
<211> 237
<212> DNA
<213> A.fumigatus

<400> 22075
atactctgtg aatggcgtcc tgcagagtca gccatcatta gtaagcaggg acctactagc 60
cccaagcggt tagactttct gcctcccaac cgtattgctt cgctattgtt gtatctcgtc 120
accatgcttt gtcactgtgc cacctttctt gtcaccttcc tggaacacgt tcatcattcc 180
aaggctgtca ccccatctga tggactcgac aacttcatcc tcacggttct cggttag 237

<210> 22076
<211> 483
<212> DNA
<213> A.fumigatus

<400> 22076
actttctgcc tcccaaccgt attgcttcgc tattgttgta tctcgtcacc atgctttgtc 60
actgtgccac ctttcttgtc accttcctgg aacacgttca tcattccaag gctgtcaccc 120
catctgatgg actcgacaac ttcatcctca cggttctcgg ttagcagtcc tcaatcgggc 180
ccttctgctg gcatacagaa gggccggcag cgcaccatta ccgcgtgcct gacatgccgc 240
cgtcggaagg tcaagtgcga tcatgcgcaa cctgtatgta ctccatgcca gagaggcggc 300
cgtgtttgca cgtatgtcac tccacagcct gtctcacagg caccctcccg tgtggggacc 360
ggcagtcgag tgtcgcggac caaccttcgg tctggccaag aggagatccg tagtcgcctc 420
gaacggctgg aacaaccact ggagcgagcg ttcctgacag gccgggatgg aaaggtactg 480
cgt 483

<210> 22077
<211> 420
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222>
(15),(16),(17),(18),(19),(20),(21),(22),(23),(24),(25),(26),(27),(28),(29),(30)
,(31),(32),(33),(34),(35),(36),(37),(38),(39)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22077
gaacctgatc ccctnnnnnn nnnnnnnnnn nnnnnnnnng aagacgacgc tcccctcttc 60
gcacatttcc ggcgacagtt tcaacagaag agtgaagagg accaatcgga tgtgtgcatt 120
ggcaagttac acgagaacct ccgggcggtc aataaccttg aagaagcctc cggggtcatc 180
tacagtgctc tgagtgggaa gattgcggcg catctgtctg ttccaatcga gagcatcgat 240
gcctcgcatc ccattacgga gtacggaatc gactcgcaca tggcagtgga gctgaggaac 300
tggatcgcga agacgatgga gagcacagtg ccgatcttgg atattctggc gagcagtacg 360
ttattggatc tagcgggcaa gattgcatcc aagtctagag tggttcatgt ggaagaatag 420

<210> 22078
<211> 192
<212> DNA
<213> A.fumigatus

<400> 22078
ctgtgtcttt gtttagatgg cggagcttgt gtcgccatgg tgggcaagga ctgcgttgca 60

attgcatgcg acctccgact gggcatgcag gccttgaccg tctccaacaa cttccccaag 120
atcttcaact acggtccctc aacctacctc gggttgagtc ttcaccaggg gcaagaagta 180
aagaggtctc ga 192

<210> 22079
<211> 204
<212> DNA
<213> A.fumigatus

<400> 22079
aaaaaaaaaa aaaaaaaaaa aatctattcc ttctcctttt cctccgtaga cggcctccct 60
agccgtttcg gtttactatt cccatatgct acacaaataa caacatcagc tcaactcaat 120
tctcataaca aggagaagca catactccga tcatacaaca cccacgacgt atacaggaat 180
atcggcagcg ccacaatagt cgat 204

<210> 22080
<211> 651
<212> DNA
<213> A.fumigatus

<400> 22080
aatgatgtct ccatgatcca agcagccgat gttggaattg gtattgtcgg caaggagggt 60
cgtcaggcct cgttggctgc cgactttagc atcacgcact tccaccacct tacgaagctc 120
ctcgtttggc acggccgcaa ttcatacaaa agatccgcca aattggcgca attcatcatg 180
catcgtggcc tcatcattag cgcttgccag accatgtaca gcattgcaag ccattttgac 240
cccaagggtc tgttcatcaa ttggctgatg gtcggctacg cgacggtcta caccaatgcc 300
ccggtcttct cgctcgtttt cgaccgtgac gttgacgagc acctggccaa cctctacccc 360
gagctataca aagaactcaa gtccggtcgc agtctcagct atcgctcctt cttcggctgg 420
gttcttgtgt cggtttatca gggtgcagta atccaggggc tctcgcagat cttgctgaac 480
accatttcag ggccgcggct gatcagcgtc tcattcacag ccctcgtcat taacgagctg 540
ctgatggtcg ctattgccat cacaacctgg caccccgtaa tgatcttctg ccttatcggt 600
acagctctgg tctatgtctt caccacgggg ctggaagggt ccgcgcattc a 651

<210> 22081
<211> 543
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (14),(33)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22081
acacatataa acantcttct gaaggacctc ggnaaaggtg cttcaaatga cgtgaatgtc 60
ctagcttggt cgcctgatgg taccaaattt gcagcaggcg ccactgccca atgtgatgag 120
ggcaatatgg agtacaatcg gggcaacaac ttggttattg gggatttgac gtgcaatcgc 180
ctcgaggagg tgcctggcca ttacataatt cgccctcctg ggagggctgc gtctcaaagg 240
gccttaagtg acaaccgtct cttcatgagt gttactgcta tgcagtggtt cgatgataca 300
ctttttacag ccagctacga taataccgtg aaactctgga ggttttccgg aaaccacata 360
acaaatcaca aaacgctccc acatgaatcg aaggtattag tcatggcgcg ttcaaatttt 420
gaaaagaatc tgctggcaac cggcgcgcaa tctttcagac tatggaacat catggagtca 480
aaagatgctc ccctgataat tgaatccaga agagaaatga ctccgacttg cttggctggg 540
ggg 543

<210> 22082

<211> 579
<212> DNA
<213> A.fumigatus

<400> 22082
ccaaccacga ccccttcgc catcaatcat agcgtacaac gatcgcgggt gatctgtgtt 60
ttaaataaac ctttctggtt ctttcgtcgt ggtaggtttg gacggaattt gcccatactc 120
tcgtctccct cctcgtgcct ttttctgccc ccactaccct caccatctgg acgggccctc 180
ccatctcagt cgaacagccg attgatacaa atctctcgat gtagcaatag ggtggtacct 240
gttctttaca tcatgcaggc agcctatcac gaacattcct cgcctcatgg ggagccctcc 300
gcctataccg aacatatggc ccaggaccag acccacaagg cccccatccc caagaacgtt 360
gcctttgagc ttttgcttga cgaaaattcc aaagtgcggg ctcggatacc catgcgggta 420
cagatatatc ctcatgatac gacggattca atcgtgacta ccgtcaagaa tttctatggc 480
atctatgacg gtgccgccag tggtgtcagc tttgaggatg aaaatggcat caccctcatc 540
gtcttcaccg cccggatgcg acgacatcgc tgggcaagt 579

<210> 22083
<211> 543
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222>
(9),(10),(11),(12),(13),(14),(15),(16),(17),(18),(19),(20),(21),(22),(23),(24),
(25),(26),(27),(28),(29),(30),(31),(32),(33)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22083
gatcccctnn nnnnnnnnnn nnnnnnnnnn nnngaagacc ccgttgttcc tggaacatct 60
gttccgtcca gcaccccggc cattcccggc ggctcgtcct cttctagcga ggcagtcgca 120
tcatcgactc ctttggttac cttgacactg acagtctcgc ctacgcccgc gcccagctca 180
tccgaatcca gctctaccga tttgtccagc tctacacaga ctgacgtcgg cactgcccca 240
tcgcaacccg ccggtccatc gacaaccgcc actgccacca cgtcctcgtc ttcctcgtcc 300
accgacgaga gttctactac tgtcggcagc ggcaacggca atggcagcgg atcgacgacc 360
actaccgcgg cgaccgactc catcaccgct gcgcccaccg ccacctcttc agccactgct 420
accggcgcca cctcagagcc tgtgaccatt accactgtta ttgtgacttc ctacatcgat 480
atctgcccta ctggcttcac tactgtgact actacgtaca caaccacgta ctgcccaggt 540
act 543

<210> 22084
<211> 486
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (85),(100),(474)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22084
agccgtggac cgggacccga tgtactcgtc gtggcactgc aggccatccg tgaagtcgat 60
atcgagagtc tcgggcgggc cgtanccccа ggggtggtan ttgggcatgc cggtccagca 120
gaggtgcacc caggagccgt tgcaggtggc ctggttgggc tcgcaccagc cgccggtgcc 180
ggggcagagg cagccgtagg cgtcgatgtc ggcttggttg tgcacgcagt cgaggctgtg 240
ggagccgttg taccaatgga agttgtttac cgtccaggtg gggatggggc agccatcggg 300

gggtgtgatg gactgcgtaa aggcggtgga ggtaaaggcc acaaggccgg tgacgaagtt 360
gagtatggtc attttgaagg tatggttaca tatgttccgg atcgaaggga aaaagcggga 420
ggaaggttga tctttatata cagtggaagc ggggaaataa agcctgggac atancaaacg 480
atctga 486

<210> 22085
<211> 543
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (49),(423),(438)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22085
agcccgatcc agggtcaaaa tcaggtcatt gccgactcag atcgtttgnt atgtcccagg 60
ctttatttcc ccgcttccac tgtatataaa gatcaacctt cctcccgctt tttcccttcg 120
atccggaaca tatgtaacca taccttcaaa atgaccatac tcaacttcgt caccggcctt 180
gtggccttta cctccaccgc ctttacgcag tccatcacac cccccgatgg ctgccccatc 240
cccacctgga cggtaaacaa cttccattgg tacaacggct cccacagcct cgactgcgtg 300
cacaaccaag ccgacatcga cgcctacggc tgcctctgcc ccggcaccgg cggctggtgc 360
gagcccaacc aggccacctg caacggctcc tgggtgcacc tctgctggac cggcatgccc 420
aantaccacc cctggggnta cggcccgccc gagactctcg atatcgactt cacggatggc 480
ctgcagtgcc acgacgagta catcgggtcc cggtccacgg cttcatttga catcagccga 540
taa 543

<210> 22086
<211> 342
<212> DNA
<213> A.fumigatus

<400> 22086
ccacgaggac ccggagcaaa aggtcggaaa agacagactc gcatcgttgc tcccacaatg 60
gtcgctttca gccaactttt gctcctcctt cctatccccg gggcgctcgc ctccaattgt 120
accccggact cggaggcccc catcgaggcc accaagtcct ttgatttcct ccagcacatg 180
ggaaacacca tcttcaacac cactgacgct agcctcgatc gccgcgacat cacactcaga 240
accagccaag acggcgtgaa taccgtcggc tactactact ccctatacaa cgagatagtc 300
ctagcattgt cttcaccaca gggccgaagg accgcgcatg gt 342

<210> 22087
<211> 390
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (336)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22087
caacctgata gtgcattcgc aatgacctgg ggccccatgg tctgggccat cgtcgccgaa 60
ctcttcccct ccaagtaccg tgccaagggc atggccctag ccaccgcctc caactggctc 120
tggaacttct tgctgagctt cttcacccct ttcatcaccg gcgccatcga cttcgcgtat 180
gggtatgtct tcgcgggctg tctgctggtc gccgccttcg tcgtatactt ctgcgtgatt 240
gagggcaagg gtcgcaccct cgaggagatc gactggatgt acgtgcacca tgtggcgccg 300

tggaagagca gcaagtttga gattccgcaa actgantggg aagagggacc tggggctcac 360
agccggaagg aggagcaggc gttccatgca 390

<210> 22088
<211> 390
<212> DNA
<213> A.fumigatus

<400> 22088
gagccctgtt ccttccagcc ctgtggtcaa taccgtcttc caggcgccgg gctctccaac 60
agcttcgtca cctcggtcat cctcggcgcc gtcaacttcg tcaccacctt tggcggtctg 120
tacgtggtcg agaactttgg ccgccgcaag tccctcatct tcggggccgg cttcatgttc 180
tgcatgttca tgatctttgc gtcgatcggc cacttcatgc ttgatgtcaa caaccccgcc 240
aacactcccg aggtcggcaa aggcatgatc gtcctcgcct gcttcttcat tgcgtatgtc 300
ccccctttt ttttttttt ttttttttcc ctctttcttt tttccctgtc tccatcatac 360
actgacaacc tgatagtgca ttcgcaatga 390

<210> 22089
<211> 435
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (21)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22089
gccccaggtc cctcttccca ntcagtttgc ggaatctcaa acttgctgct cttccacggc 60
gccacatggt gcacgtacat ccagtcgatc tcctcgaggg tgcgaccctt gccctcaatc 120
acgcagaagt atacgacgaa ggcggcgacc agcagacagc ccgcgaagac atacccatac 180
gcgaagtcga tggcgccggt gatgaaaggg gtgaagaagc tcagcaagaa gttccagagc 240
cagttggagg cggtggctag ggccatgccc ttggcacggt acttggaggg gaagagttcg 300
gcgacgatgg cccagaccat ggggccccag gtcattgcga atgcactatc aggttgtcag 360
tgtatgatgg agacagggaa aaaagaaaga gggaaaaaaa aaaaaaaaaa aaaaagggg 420
ggacatacgc aatga 435

<210> 22090
<211> 357
<212> DNA
<213> A.fumigatus

<400> 22090
tggagacagg gaaaaaagaa agagggaaaa aaaaaaaaaa aaaaaaaaag gggggacata 60
cgcaatgaag aagcaggcga ggacgatcat gcctttgccg acctcgggag tgttggcggg 120
gttgttgaca tcaagcatga agtggccgat cgacgcaaag atcatgaaca tgcagaacat 180
gaagccggcc ccgaagatga gggacttgcg gcggccaaag ttctcgacca cgtacagacc 240
gccaaaggtg gtgacgaagt tgacggcgcc gaggatgacc gaggtgacga agctgttgga 300
gagcccggcg cctggaagac ggtattgacc acagggctgg aaggaacagg gctctca 357

<210> 22091
<211> 240
<212> DNA
<213> A.fumigatus

<400> 22091

ccacctgcta ggacaactgc tgatttcctt acttcaatct gcgaccctaa cgcccgtcaa 60
ttccagcccg gccgagaggc ttctaccccc aagacccctg aggagcttga ggctgtcttt 120
aggaatagtg agacttacaa gactatctgc gacgaggtgg ctagctatga caagaacttc 180
aggatacgga tcaggaggat acccgccgct tccagaagaa cgttgcccaa tgtaagtttg 240

<210> 22092
<211> 321
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (10),(11),(39)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22092
ggaatgaccn ncaattccgg tcgcgtgagg accactaant cgtcgggtgt ttgctgggat 60
aactccacca gaggtttgga cgccagtacg gctttggatt atgccaagtc tctccggatc 120
atgaccgatg tcagcaaacg tactacattt gtgaccctct accaagccgg agagagtatc 180
tacgaactca tggacaaggt tctggtcatt gattccggac gcatgctcta tcaaggccct 240
gcgaacaagg cgcgcgagta ctttgtgaat ctcggtttcc attgcccaga gaaatcgtat 300
gtctctctgt ccctcacttg a 321

<210> 22093
<211> 471
<212> DNA
<213> A.fumigatus

<400> 22093
accaaatatt accttgacaa ccaactggcg aatcctctgg gtcgtatttt cgaacccatt 60
cttggagaga agaaagccaa tcaacttctg actggtgaac acacgcggtc tatctcagta 120
gcggcgccga ccttgggagg tctgatgaag tttgcgaaga agacccaaac ctgtatggga 180
tgcaagaagc ctctttctgg taaagaagaa atggctggcg ctgtttgcgc actttgccgc 240
cctcgaatcg gcgagctcta cacaaaaaca ttgaccaaag tatcggacct cgagattcga 300
tttggacggc tctggactca atgccagcga tgtcagggta gcttgcactg cgaggtaatc 360
tgctcgtctc gagactgtcc gatcttctac atgcgaatga aggcaaagaa ggatgtcgaa 420
gatgcgcaga aagagctttc tcggttcgat tttgacgctg gtgcatggta g 471

<210> 22094
<211> 588
<212> DNA
<213> A.fumigatus

<400> 22094
ggcacttatc tcacacaggg ccgccgcgct accttcgcca atgcccttgc tgctaccaca 60
gacaaagaca cgtccgtcaa gggcattcat cacgaaccag acgagatcgg cctgatgacg 120
aacctcttct tgaacgtacc tgctctcgcc gcgacggctc tggactaccg tccgcacctt 180
atcctcttca acgccccatt cgccgctgta gagctcatcg agaagagaat cacgaattcc 240
ctgcaagacc caaaccttgt tggcacagtt ggccgactgc agacggcgtt ggacgaaccc 300
gcggaacggg gcaatgccga caccagcgcc gatgaggagc atgggaccgt cggaggcaaa 360
tcgcttggcc agaggattgg ccatcaggcc acggaacatg ggaacgtgga gatccagatt 420
ccggggatcg atgcccttcc gctccgcatc gatgacctgt ctggcgagcc gttcaagata 480
tccggatccg actccggtcc gagtaccgcc cctccagtcc tcggtttccg ccacagacac 540
tgcaatctca atgagtctac ggcacttggt atcctgcctc tggcatga 588

<210> 22095

<211> 834
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (109),(129),(130),(131),(154),(159),(162),(195),(213)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22095
gcaccggaac ccaaaggaga agaagatact tcatgttctt ttctccagcc caggggccag 60
gtgctttccg ggatctccgc acggggtcat acatcaccgt ttccccagnt actccaggca 120
ttccctctnn ntcagccgcc cgtcgaccat ctcntatcng tnttgcacac cgtgatgcca 180
cgcttatact ccttntcgca agacccccctg atntcatgcc agaggcagga taccaagtgc 240
cgtagactca ttgagattgc agtgtctgtg gcggaaaccg aggactggag gggcggtact 300
cggaccggag tcggatccgg atatcttgaa cggctcgcca gacaggtcat cgatgcggag 360
cggaagggca tcgatccccg gaatctggat ctccacgttc ccatgttccg tggcctgatg 420
gccaatcctc tggccaagcg atttgcctcc gacggtccca tgctcctcat cggcgctggt 480
gtcggcattg ccccgttccg cgggttcgtc caacgccgtc tgcagtcggc caactgtgcc 540
aacaaggttt gggtcttgca gggaattcgt gattctcttc tcgatgagct ctacagcggc 600
gaatggggcg ttgaagagga taaggtgcgg acggtagtcc agagccgtcg cggcgagagc 660
aggtacgttc aagaagaggt tcgtcatcag gccgatctcg tctggttcgt gatgaatgcc 720
cttgacggac gtgtctttgt ctgtggtagc agcaagggca ttggcgaagg tagcgcggcg 780
gccctgtgtg agataagtgc cttacacgcc ggggatgaag aaagcgtcgg agcg 834

<210> 22096
<211> 267
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (80)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22096
gaatgcttgt gggaggcccc tggatatatg ctatcctcct acccttaaa gtcgtggtat 60
cacgatatcg cgcagggaan agatttgggg ggcctatttc acgatattct aggaatacaa 120
gatgctggag ttgacgactt cctacttgag ctggagtgga ggaaggattc cactgatgtg 180
gaatatgacc tggtttatga cttatatcag gagcttaatg cgagacggct ggggatggat 240
gacaagaccg tgaaaaagat ccggtaa 267

<210> 22097
<211> 228
<212> DNA
<213> A.fumigatus

<400> 22097
tcggatattg tctcctcgca tgccgtgtac aacatccttg cgcgggagag gcccgacgtg 60
cttaagacgc taacgcagcc aatttggtat tttgatcgca agggcgagac ctccaagggt 120
caggatgagt acatccggac gagtgtgatg tatctcgagc gcggcgagaa cccgcgtgtg 180
tataccaagt atgggccccc ttttcttgca ctgcgccgta tgaactag 228

<210> 22098
<211> 327
<212> DNA

<213> A.fumigatus

<400> 22098
tggttgctgt ggtccaggtg ggatccgtac tatgtccgct cgctcacccg cttctccgat 60
gcgggaatca tccccccgct gtctgcggcg cagctcgagg cgctgcaggt gctggaggac 120
acgtgtctgc agaacgcgct gcatatggtt ctggaggtcg gcgatatcca gttcctggct 180
aactcgcatg tgctgcatgc gcggacggcg tacaaggacc atgcgccgcc ggcgccgagg 240
cggcacctga tgcggttgtg gttggcgacg ccggaggatg cgggcggttg gtggttgcta 300
atcagcccgg cctggaagaa atgcatc 327

<210> 22099
<211> 195
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (99),(104),(113),(143)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22099
aatttatatc tctttttcag ctccaagatg cgaggtaaat tgcacattgt gccttccatg 60
gaatataatc cttcgaacga gaccagaatc ttcttccang gccngtgggt gcnggggttg 120
gcctgcaaaa ttgcctctcg aanttccctc tccaaattcg ccatattggt atggggaaaa 180
gaactggatg gcaac 195

<210> 22100
<211> 852
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (52),(82),(91),(96),(817),(830),(832),(833)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22100
ttgccatcca gttcttttcc ccataccaat atggcgaatt tggagaggga anttcgagag 60
gcaattttgc aggccaaccc cngcacccac nggccntgga agaagattct ggtctcgttc 120
gaaggattat attccatgga aggcacaatg tgcaatttac ctcgcatctt ggagctgaaa 180
aagagatata aattttactt cttcgttgat gaagctcact ccatcggcgc gatcgggctt 240
cgtgggcggg gagtctgcga tttcttcaag gtcgatcctg ccgaggtcga tatcttcatg 300
ggtacattta ccaagtcctt tggtgccaac ggtgggtata ttgcggcaga caaggccctc 360
attaagaaac tgcgtgccac aaatgctgga caagtcttcg gcgaggctcc tgctcccgct 420
gtcctggcac agatttcctc ctccttgcga ctgatcgccg atgaggatcc ccaacaccca 480
ggccagggac ttgaacgcgt gcaaagactt gggttcaatt cgcgatattt gcgactgggg 540
ctcaaacggc ttggttttat cgtctacgga catgatgatt cgcccattgt gccgctaatg 600
ctgtacaacc cagccaagat gccggcattc tcccatgaga tgctacgacg gaagatctct 660
gtcgtggtgg tgacctatcc cgccaccccg ctggagctgt ctcgggcccg actctgcgtc 720
tctgctgctc atacaaagga tgatctggac cacatactcc gagtgtgtga cgagatcggc 780
aatactttgg ggttaacata ttccacgggg gggtgtntta cacgcccggn gnnggcccga 840
aatgggcgcg ga 852

<210> 22101
<211> 717
<212> DNA

<213> A.fumigatus

<400> 22101
ttgccagttg gttacacaac cgtcgctctt tcgcagacta tcagtggaaa gctcccctca 60
aaccttgccc cgccacctgc acccacgaat gctcccaaga atttgaaatt gctttctcgc 120
gtgaacttga tgttgtccga ccccgcacag aatcagcgcc tcgcaagctt agctcaggtg 180
tatgacttgg ttgcacttcg ccctaccaat gaaaaagccc tcttgaatgc atgcacgaat 240
ctcgaatgcg acctgatttc tctcgatctc tccgtgagac ttccgtttta cttcaaattc 300
aaaatgctct ccgccgccat cgaacgaggg gttcggctgg aaatttgcta cgggcctggg 360
gttacgggga gcggacttga agcccgtcgg aatctcatcg gcaatgctat gtccttgatc 420
cgcgcgacac gcggaagggg gatcgttgtg tcaagtgagg caaaaagggc cctgggcgtg 480
agggctccat gggatgtcat caacctgaca tgtgtatggg gtttgtcaca ggaactcggt 540
aaggaggcaa tcagtgaaga agcaagaaag gtcaccgcac tagccaaact gaaacgcaca 600
agctggcgtg gggtcattga catcgttgac gggggacaga tgtcaaagtc acaagttatg 660
gagtctggaa tggggcagaa aggcatgtct aagaagaatt ctcgcagggt ccggtga 717

<210> 22102
<211> 624
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (464),(544),(570)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22102
agacccgaga agtcttggcc cacctccatc ctgttcatcg ataagctgcg cccctatgtc 60
aaatcgatgg cgcttcgtta cgttctggtc ggacttaagc aaaaccacac cttgcagctc 120
tgggatattg ggcttggcaa ggccgtgcag gagctcaagt tccctcacga gaacgaatcg 180
gatgccatct gtagtgtcgc ctaccacgca gcctctggta tcattgttgt cggacatcct 240
acgcgcaatt ctatctactt tgttcacttg tccgccccta gatataatct acagcccatg 300
tcgcaggcat ctttcatcaa gcgctcgggt gaaaaggact cgagcttgcc caagccggaa 360
tctacagcat gcatgagtgg cattcgggaa atttcgtttg cctccaaagg ccagttacgc 420
agcttggatc ttctccctgc cattaaagct cctggagata gcanagaaaa cagtgcgctc 480
ttcgagcttt acgtgatgca ctcgcgtggt gtgacttgct tgaccatcaa gaaagaagac 540
ctgngatggg gcgtcgacaa taagaatatn cgccctgtga atgcactgga ggagggctac 600
atcgaaattt ctgagcttca ggcc 624

<210> 22103
<211> 219
<212> DNA
<213> A.fumigatus

<400> 22103
agaccttcac cagtccactc gccttccctt acagcctcca agtggtggat cggatccctc 60
ggacgctccg cctaccatgc ggtggtgatg gcgcagttgt tcattgctgg caagaactac 120
gggcctcacc ctttcatcgt tcagattcgc gacctcgaga cgcatcagcc attggagaat 180
atctacgtgg gggacattgg acccaagttt ggttactag 219

<210> 22104
<211> 225
<212> DNA
<213> A.fumigatus

<220>

<221> unsure
<222> (33),(36),(37)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22104
attccatttc ttgaggcccg tcccgtacag tanaannaag ggaacgggat gtgcaaatca 60
gccatccaga agcgaatcag cgtgcgaggc tcgaacggcg agaaggacca ttttcggtat 120
ctatcggtgc cagatagtga gctgatcgag tatgctcagg gcttgcttct gtcgggatac 180
ctggaggaag cattcatgta cgtcattgaa tgggagtgga agtga 225

<210> 22105
<211> 657
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (600)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22105
ttcggggtgg agatgggtgg gacaactgct gtatttaaag ctctgtggaa gacactgtgg 60
cagtactttg cgggcatcgg tatccccggc tggcaactca ttcgccagga ctacaacctc 120
aatttcgaga cttacgtgcc ccactcgatt aactgggcct gggggtcgat ggtgcccgag 180
tacgatgccg tcgcccggaa ggcgatcgag ctcattgccc cgatcccgct ggaggggagc 240
gtccccgatg cgaccgtccg cgaagtaatc gagttctcga actcagtcaa gcgcgtcgcg 300
gtcgactcga accggttcaa tttccgctgg gacggtctcc tgcgctacta tgatatcttc 360
ctcaactacg atgagaagaa gaactggaag gacgtgttct cgcggcagtg caaggggtgc 420
ggagcctggc ttgtctgtcg ccctgactgg cgcaaatgct actcctgcgg caaggagagg 480
accgaagagg aggcggccat cgcctggaac ccgcctctgg ccgtcgacga ggtcaaagcc 540
ctggtgcggg catcagatgc caaacctgct tcccgggcgg ccaaggaaag ggctgtccan 600
gagcagctca aggacgggac ggtggttgtt tcgcatgcgg tggagattac tgtatag 657

<210> 22106
<211> 402
<212> DNA
<213> A.fumigatus

<400> 22106
aggtggatct ccaccgctgg tgaatatgca agattccatg atcgcgaggg agacaagaag 60
acgaaccgcc agacgttgcc agtcattgtt ggcccccgat ggcatggagc tctacgctgg 120
gcaaccgctc ttttggttat gggaactgga atcatgcctt tgtgtataac tggcaagctc 180
gtctggaacg gccaagacac ggggtttcgc aacaagcgtt ggatatacac cggcaccgtc 240
atcaccgcaa tactgcatgt cgtctttgcg tctctttcgg gccttcgatg cgccttcagc 300
tggggagaag cagcttacga ccgtcagacc tacaagcgtt tctacatgct cgcggcctac 360
accatggtct gctacctatc ctttgcttat ttgaccgcat ga 402

<210> 22107
<211> 462
<212> DNA
<213> A.fumigatus

<400> 22107
gtacatgttg cccaatgctg tacgcttttc ctgtctctta atgtccacga gggtcatcca 60
aaaagcatga cgaaggtcat tattgctggc gtgactgggt tcgtgggaca ggaggtcctt 120
tcacagtgcc tggcccatcc ctctatcact tctattgttg ccctatgccg ccgtgaactg 180

cccaccacac atcccaaact ccatgtccac ggcactcaag aaagagattt cctctcgtat 240
tcagatcccc aactcactgc ctctctccga ggagcaggct cttgtatttg gacaccaggc 300
attactccct cgcgtgcttc tgatgaacag accctccgcc cggtgacgct ggaattatac 360
agccaagctg ccaagggctt ccaacaatgc ctttactgct tccaaatgaa ggcaaacaag 420
gaagctctgc cgggttcgaa atttcctttt ggtgtatgtt aa 462

<210> 22108
<211> 609
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (14),(18),(22),(62)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22108
cgcacggttt tccngccngc cnttgattct ttcgtctcgg gcgttgtacc cggcggcttc 60
gntacggcgt cgacgtatcc actcgacttg ctgcgaacgc gtttcgcggc ccagggcacc 120
gagcgcattt atacttcgct gctggcgtcg gtgcggaaca ttgcgcggag tgaagggccg 180
gcgggattct tccgcggctg cagtgcggcg gtcggccaga tcgtcccgta tatggggctg 240
tttttcgcga catatgagtc gttgagaccg gtgctgtccg ggctggaaaa catgccgttc 300
gggtccggtg atgccgctgc aggagtgatt gccagtgttc tggccaagag cggggtgttt 360
ccgcttgacc tcgtgcgaaa gcgactccag gtccagggcc caacgcgcac actgtatgtg 420
catcgcaata tccccgaata ccgcggcgta tttagcacca tcgctatgat agtgcgtacc 480
cagggagtcc ggggcctcta ccgggggactg acggttagct tgatcaaggc cgcaccagca 540
agtgccatca ccatgtggac ttacgagcga tcgttaaaac tcctccgcga cttccgcgtc 600
gctgaatga 609

<210> 22109
<211> 249
<212> DNA
<213> A.fumigatus

<400> 22109
cttatcacca aagactgctg cgcgacggtt ggaatggccg ccaatcgtaa ccatcagtat 60
cggcaactcg gtaaggcggg tcgggcacgc tggttgaata tcggtcccac agtccgtggt 120
gtggccatgg acgctgccga tcaccctcac ggtggtggac gtggtaagtc gaagggtaac 180
gttgatccaa agagtccttg gggtctaccg gtatgtacat gcgtaatcgc gggactgaat 240
gcgttatga 249

<210> 22110
<211> 288
<212> DNA
<213> A.fumigatus

<400> 22110
catgttcttc ttcttttcag ttcctcattg tattcgagta ttctcatgtt taaatgcgga 60
ggatgggtcc tccgctcaca ctgtatcata ttttgtctcg attcgggcgc caggcatgct 120
gtcttcgata tcctccaaac ttcttgtgat tattacctcg ctgttatgga tgatagattg 180
tatttccata catttgccat ggctatcacg tttatgcggt cgaaatacac agaattcact 240
ggagaaaaag atctcttcgt ctacacgccg gggtggacga ttcgtcga 288

<210> 22111
<211> 417
<212> DNA

<213> A.fumigatus

<400> 22111
gtaattgctg atcaatttct ttcactagtc ttagctgaca tcagtcgctc tacaggattg 60
cccaacttcc gtttcaagct tccatctcgg aattggatga tctttttcac catcaccggc 120
tcacttacgg ctgccatcgt ctatgatcgt cgcgaaagac gtcgtgtaca acagaagtgg 180
tgtgacttgg tcgcacacct ctccaaggag acccttccta ttgaacaaac acggcggaaa 240
ttaacgatat ttttgtccgc gccgccgggc gacggacttc gcattgctcg tgaacatttc 300
aaggaatatg tgaagccgat attagtcgcg gcagctctag actacacagt catcgaaggc 360
agaagggagg gcgatgtgcg tgcagcgctt gtcttcacca cggctgagaa tccgcct 417

<210> 22112
<211> 840
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (20),(27)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22112
gcttggattt ggccacgtcn ggactgnata tacaatgggc ctgagcggag ctgccgggca 60
tacgatcgcg acttggtcag tgtcgcaaag aagaggggat tcagctacct tgatgatagg 120
aagggctttg actcgctgaa tggcggatcg gaggccaagc tgcccctcct gggtctgttt 180
gcggagaagg acattccgtt tgagattgac cgtcgtaatc agaacgacgt ttacccgtcc 240
ctggaagaga tggcccgcac cgcactcaag atactcagcg atgctaccgc tgatagcgag 300
caggggtttt tcttgatgat cgaaggttct cgtattgatc atgccgggca cggcaatgat 360
cccgcagcgc aggtccacga ggttattgcg tacgataagg cattcgctgc agtgctggac 420
ttccttggga aagactcgac gcccggtgtt gtggttagca catctgacca tgaaacgggt 480
ggcctggcgg ccgctcggca gctgcatacc tcctacccgg agtacaagtg gcttcccggg 540
gttctggcca acgccagcca ttccaccgaa tacattgaca acaagcttcg ggagtttctc 600
tccacggaga cggaaaagaa caagcagcaa cattatgtcc gagagctctt ggagaagggt 660
ctaagtatta ccgatgccac cgacgaagag atcgattcta ttctcgatcc aaattcgcca 720
gttagctcgc agtatcagct tgcggacctg atcattccaa aagcccagat cggttggtcc 780
acccatgggc cctctggtaa gttccaagct ctataccatg gaccaatgga gattcggtaa 840

<210> 22113
<211> 342
<212> DNA
<213> A.fumigatus

<400> 22113
tacagactca ggctgggcga gtggggtttc tggtgtcttg gcgtccaaca tcgactcgtc 60
accctcatca ctctattcgc cctcgtcccc ctcctccttt tcatcgtcct ggccgctttg 120
atctacagac aagcgggacg cgtctggatc gggtttagtc aacccggaat ctgtggcgcc 180
ttccaccgta ctggcgccag aaccgtgaac aagcgcagca tcagccccat ctcctggcgc 240
gaacatgacc ttcttcctgc gtcccttccc aaaaccccttg gccttgcgct tgggaggagg 300
tgggcgtgtt ttcacacacg gcggctggaa ggaccaacaa tg 342

<210> 22114
<211> 414
<212> DNA
<213> A.fumigatus

<220>

<221> unsure
<222> (29)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22114
atattcggtc cttccggcgg cttgttaana agccgctctt cattgtgtcc taagcttgga 60
acgtggacat ccagacatgg ccgcgtggta attgtgggtg atgccgcgca tgcgattccc 120
ccggctgctg gtcagggtgt caatcaggcg tttgaggatg tttttacgta ttcgttgatg 180
cttggacggt ctgacaagga tgctcttgcg cgatcactga aggtttggca gacaagacga 240
caagagcgga tagataaggt gcttgcactc aacacgtata tggagagacg gagggtgccg 300
agtttggagg aagaaaagga cgccgaggac gcgcccctgg acttcgcatc gttgtataag 360
ccggatttcg tagaaatagt ggacacgtgg ctctctaagc acacctcctg ctga 414

<210> 22115
<211> 201
<212> DNA
<213> A.fumigatus

<400> 22115
attataaccc acattacctg gtatcggcag tctttggtgg gcagccggcc aagtgggaaa 60
gcctggggat tgccggcatc tcgtctgccc atcaccacga cggaatgtgc aaggtcagtc 120
tacatcgccc ataaatgctc atccgaagga gccattcgcg tgtatgagct ggacgaaaag 180
acttcagcct tccggggcag t 201

<210> 22116
<211> 312
<212> DNA
<213> A.fumigatus

<400> 22116
ttggccagac tacccggggg cgttaatatt gtaggccgag atcaatcggc acggaattgt 60
caggtggccc cccacaaatg tgagcggatc aacctttta gtgggaaacc ctgcaattcg 120
gtcttctcgc ggccgtatga ttttacgcgg cacggggaca cgatccacta cgcccgtaag 180
cagaaggtcc gatgtcatct gtgcacggag gagaagacct tctcgcgcaa tgatgcgctg 240
acccggcaca tgcgggtggt ccatcccgaa gtcgactggc gtggtaagca gcgacgcagg 300
ggccgtgatt ga 312

<210> 22117
<211> 189
<212> DNA
<213> A.fumigatus

<400> 22117
acagaccatg aaacttgtca tgtgatctct gtttacatcc atccactgtc gacatatcca 60
aacacagata gccctaccaa caaattgaat aatacttcgc aagatgaacc cgccttcgcg 120
gccagtcaaa tcatttatag aggtgttctt cgaatacacc actcgcccgt ctttgtacca 180
atgccctga 189

<210> 22118
<211> 678
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (19)

<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22118
gtcgcaggat ccttctcanc cccgtggaga gagaagtgca attgtcgagc ttctcgttca 60
ttccccttcg tgtcgaaggt catgggtgtc gacctgattg agatggctac caaggcgatg 120
atcggcaagc ctttcgctga gtaccctcca gttaccatcc ctaagaatta cgttggtgtc 180
aaggtccctc agttctcttt ctctcgtctc tccggtgccg acccagttct gggcgttgag 240
atggcttcta ccggagaagt tgcttccttt ggtcgtgaca agtacgaggc ttatctgaag 300
gctctgatct ccaccggttt ccgtcttccc aagaagaacg tcttgttctc gattggttct 360
tacaaggaga agatggagat gttgccgtcc atcaagaagt tgcaccagtt gggatttaat 420
ctctttgcta cttctggtac tgccgacttc ctaaaggaac acggtgtacc tgtcaagtat 480
ctggaggttc ttcctggtca ggaagatgac cttaagtccg agtcctccct tactcagcac 540
ttggcgaaca acctcattga cctctatatc aacttgccat ccaacaaccg ctttcgacgt 600
cctgcgaact acatgagtaa aagctaccgg actcgtcgta tggcagtcga ctaccagact 660
cttctgggca caacgtga 678

<210> 22119
<211> 561
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (8)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22119
aaacctcnga agagaccgaa tcccagaact ggtgcagatc cgcccgtggt tgttcgcggg 60
gcactgtatg cgggagggcc atcggactcg agcatttacc aatatggcgg aacagtctct 120
tatacgaaca cgagttttcc tggtttccaa aacccaactt cgtcggagta tgccctttgg 180
tcgtacaaca ccagcaatgg ctcttgggat caatttgacg tcactctggg cgctgagtac 240
cggcctgcag gaggagcgta tggcgaggct ccggatcagg aattggcatt ctatctcaac 300
ggatacatca acaacgggac atctaatgac ctggaggact cggacgacct tctccgctat 360
ctggatggtt tgattgtcat tgatacccac acgcagatgg cgacaaacat atcgacgagc 420
tcactggcaa attttccacg agtcaggggt ggcatggtct acatccctgg gatagggccc 480
aaaggcatat tggtcgcagt gggcggtgtc accaagtcag cgagtgacgg tagcgcgtcc 540
aatgaaggaa cctacgtagg t 561

<210> 22120
<211> 561
<212> DNA
<213> A.fumigatus

<400> 22120
tacgactatg cgcggatgct tgggccgccc tcgtggatga agacggacac cgccagcgtg 60
cctatgcccc atggtgccat gagtttggga cagtcgcaga ccgagcccag gaccatgtct 120
cccaaggatg cggtgcttga tttcaatgag actgaagatg ctagcatgcc gccattgttc 180
ccttcgagtc aacctgactt caatctcagt gaggctttgg gcttgcgacg tgagagcagc 240
tcgtcactac gacaggcaca gaactttcca tcgatggatt cgttctccag tcagttcaat 300
acacagacta gctctctctc ccaacaatat cccttcgtgc agcaacagca gaaccaccgc 360
cagccgcaac tccagcaaca acaaaacaat ctgcttcacc atactcccga gtttcccgcc 420
tctcttccgc acctcgattc tactgggagc gaagtcattc aaaatgatat gacttcgtct 480
caatctaaca tgaacatcct acctctcaaa ggagagatta ctcggcccga caatacatct 540
acggatggtg gcacttacac c 561

<210> 22121

<211> 546
<212> DNA
<213> A.fumigatus

<400> 22121
aacaagggag gtggtgtcat tcaagtctct gctagtgatg cagtcgcgac ggtgatgatc 60
gctgctcggg aaaggagggt gcgcgaacaa gcattggctg agggtctcaa ggacggaacg 120
gtcgagtacg aggaccgtgt gatggagctg agaccgagac tggtggccct gggtagtaat 180
caggctcata gcagcaccgc gaaaggcgca ctacttgctg gaacgaggta tcgcagcgtc 240
actgcgcggc tagaggacaa tatggaaatg accggaccac ggttacgaga ggtacttgag 300
cagtgcgata aggatgggct caccccatat tacatcacgc ttggcatggg tacaaccaac 360
acttgcgcgt tggatcgctt tgcggagatc aaggctgtgt tgaaggagaa gccgcattgg 420
cagagaatct gggtccatat cgacgctgcc tatgctggtg ctgcgcttgt tgcggacgag 480
tggcagtata tcgccaagga ctttgcggaa gggtcttcac cacggggatg gaaggtcacg 540
cgctcc 546

<210> 22122
<211> 354
<212> DNA
<213> A.fumigatus

<400> 22122
ggacagagct atatatcata tttaccatat gccaataagg agtcccccaa gatcaacatt 60
attcatgccc agcgatctat ccaacatcac ttccatatca cagataatga ctggactctt 120
aatctaatat cacccattta cccttctgct tcatttgcca ttctcattgt gccatacaaa 180
gactgttgtc agctatgcag acatgactct gaaaggatgt ggtctaggtt gctgctggcc 240
aatcctaaac agcttctatt ctatcactgt tgcggcaaaa tatatggaac attaaatata 300
ctgcgtgttg cacatactaa gctatacagc gaaaggatca acactcaccg atga 354

<210> 22123
<211> 189
<212> DNA
<213> A.fumigatus

<400> 22123
actatgatca tagcgcggtt ctttaacggc ctgtctggaa gcgcgtttct gagtgtcgct 60
ggcggcacag ttggtgacct cttccaccgg caggagctcg cggccctgat gatggtttat 120
actgcgagcc cgttcctggt ccctgagatc ggtcttgtcc tacacgcccg gagatggaag 180
ccattgggt 189

<210> 22124
<211> 288
<212> DNA
<213> A.fumigatus

<400> 22124
acgcgtttcc ttccatcccg gcttgaagat gcggctgtcg tgaccgtcaa gccgggcggg 60
atgcgcgaga tccactggca tccgaccagc gatgagtggg catttttcat ccgtggccag 120
ggccgcgcca cgctgttctc ggcacccagt acggccacga cgtttgacta ccgcgccggg 180
gacgtgggat actttcctaa gtcgaacagt cactatattg agaataccgg ggacgaggac 240
ctgctcttcc tcgaggtgtt gcaggcagac aagttcactg gtgcgtag 288

<210> 22125
<211> 750
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (5),(60),(85),(89),(129),(138)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22125
acttncccat tcccgggaag aagaccagtt caaggacgtg aaagtttttt ggcccttgtn 60
gttaggatgg ctttttccca gggtntcant agagaacctt ccttgttccg ttcaagtcat 120
atggatgtng tccagtcnga gactcttcgc aggctgtggc atcagatatg tcatctcgac 180
ttccgttccg cagaaggtag gggccaggag cccacaatag cagacgagga ctacactacg 240
ctgctaccac ggaacatcaa cgacgaagat ctcattgaag gagcgcatcc aactgcggaa 300
acatactcac ctcctggatt taccgacatg acaggccatt tgattcgctt gcatggcatc 360
cactgcttcc gaagaatcgt tcggagcact tatcggctgg agcggagaat caagtcttcg 420
gttgccaacg gaaatggtaa cctatatcca atcgcagagc ttcagtcttt gtttgtcgag 480
gttcgaacca tggtggatga aatggtcaat catctccaaa ctcaatactt gcaatactgc 540
gacccccaaa ttccgcacca gcgcatggcc cttggtcttg cggccgtaat tgaatggcga 600
tgctggtcga ttttctggct gcgaaccccg aaacaatacc gggaggccgt cgtgtccgct 660
gagatccgac aaacgtatgt ttggtgctgt cattggagca gagaacgtct tttttcgtgt 720
cttggagcga aagctaatga atgtgtttag 750

<210> 22126
<211> 231
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (115),(142)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22126
gctatcctga tcatggaaaa catcgaaagt ccgcattcgg ataccccgca gatcaacatc 60
aggacctatc tagtcattct gatcaaaaaa acagctggtt cacacatttt catanggttt 120
gctcatctca ccttggctaa tntgactcca catatatggg gcgacttcat ccttaagggg 180
cgtaccgaca gcgaatcctt gagcgcctcc gacatgcttt gcgttttgga a 231

<210> 22127
<211> 300
<212> DNA
<213> A.fumigatus

<400> 22127
tgctttttcc tgcagtgtca catgagacca cccattcacg ctttccacct actcttactc 60
aggagtgagg tccaagcctc ttttccaatc gagtgcggcg agatgacaac ccacaccctg 120
cctaagcaga ggatgagact ggtcgctgat cgtgctagga cggcccaatg catgtggttt 180
ggaatcattt atctcgctct gtttacgcct catattttgt gctactcatg ggccaccggt 240
gctgaacctt tggcgtcctt gggtagcgac tcaacgatgg ctttcgatca gaagccttga 300

<210> 22128
<211> 471
<212> DNA
<213> A.fumigatus

<400> 22128
gcagcacaaa gtaaggagct caactacgca gacagcatcc atgatctggc atatggcaat 60

gttgctgcct cctctgttga ttcccgcggt gatgtctggt tgaacctcac cggctttgct 120
gtgaatgaac tcccgtatat acaggaggct gtgggcatca cctccctgga caatgcacgc 180
gagctgcagg tcattgcagg acttgttagt acagcagcaa gtcagcaaca gtggggtgat 240
gttgtttttc tgtacaacgt cttttccatg aatgctcatc ccgagttcgc cagagttgtg 300
agcccgcaaa tgcaggctgg tttgctggat gctgtgagag accgggcctc caacgctggt 360
cctgatgatc gtttgattga actctacgcc agtacatcga gctccccgtc cctagttgag 420
gcatttagag ccctccctga tcttcacccc ggggctggaa ggaaccgcaa t 471

<210> 22129
<211> 453
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (151)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22129
agggcgcaac atccttcagc ttgtcgttca gcaagtttag cgtctcgggc acattgcggt 60
caggctcatg cgtgttccac gggtaaagca cccgcctcgc gtagccgtgc gcattcagca 120
cgcttgcgtc caccacaacc tcctcctctt nttcgcattc tttccgtcca tgattcgcag 180
catacacttt cttcagtatt ctcagctgct ctttcaaccc agcaatctca ttctccgcaa 240
ccacactcct atccccattt tccaacaacg ccagcccacg cacacagaaa tcatacgcat 300
cccgataaca cccacaccga accaagttcc tcacaagcaa cccgtaaatg ctcccgatca 360
taccgtcgta ttcctcctgc gatatctcct caaactcccc ctcctcatcc tcatcctcct 420
gatcctcgtg ctgactatcc acccgccgcg tag 453

<210> 22130
<211> 669
<212> DNA
<213> A.fumigatus

<400> 22130
ggaaggactg gctcaaaggg aggcagagtc tccgagaatc ttccatggtt ggattggatg 60
gcgaaattac gtcgccgtga taggaactca agtgcaagaa ctcatcgcaa ctgtaactta 120
caaaacatgc agggtcccgt taccgaggag attatgtttc ggtctgccat tgtgcttctc 180
catctcctag cgaaggacac tccgggccac attgtttttg tggcgcctct ttattttgga 240
atcgcacatg tgcaccattt ttatgagttc cgcttgacac atccagatac ttcgatcttt 300
gcagcattgt ttcgatcagt gttccagttt ggctacacta ccatcttcgg ttggtatgcc 360
accttcctgt atcttcgaac gggatctttg ctagcagtca ttgtcgcgca cagcttctgc 420
aactggtgcg ggcttccccg actgtgggga agggtcgagg caagtgtccc catcggaccg 480
cccgtgggta aagccaaaga agacgccgat gtgaaggacg cacacgccgc ctatggtaaa 540
ctgggcttgg gctggacagt tgggtactat gtactccttg tatcaggggc gattgccttc 600
tattacgctc tatggccgct aagcgactcg ccaaatgcgc ttgatacgtt tacaggaggg 660
tccaagtga 669

<210> 22131
<211> 792
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (9),(12),(13),(19),(23),(24),(25),(34),(49),(789)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22131
atagaaganc cnnctgggna agnnncgtac gagnaccttc tagccacgng tcaagaccca 60
tcgccttcga agtccggcag ccccccggacc cggaataaac catcacagtc aggaagccgt 120
agcagtggta gtgtcgctga cacccgagga acgcaaccag ggtccatgga catgctggag 180
ttcttgacat cccccgaacc tgctcgtcac gatgcagaag ccaatacggc taccctgacc 240
agcacgtcgt ctccgcacag tatcaccttt ttcgactttg taaacatgaa caacccgccc 300
agtatgctca agttaacgaa caaagaatcg atcgctccga acgcactgac gaccatcctc 360
ttctttatgt ggggcgtcgc gtatgggcta ctggacatct tgaacacgca atttcagcag 420
atcgtccgcc tggactcgtg gcgctccctg ggccttcatg ctgtatactt tggtgggtac 480
ttggtgggcc cacctctggt cgggcgaact gtgttgaagc gatgggggtt caagtcgaca 540
tttataacgg gcctatgcat atatgcgtgt gggacgctcg tcttctggcc ctcggccgta 600
ttgacctcgt attctgcttt tacaatctcg aatttcatcg ttggtttcgg gctcgctgtg 660
ttggagacgg ccgccaatcc attcatcgct ctctgcgggc cgctggagaa ttccgaaatc 720
cgtctcaata tctcgcaggg tgtgcaggct attggaagcg ttgtttcgcc tcttctggct 780
aaaaaggtnt gg 792

<210> 22132
<211> 321
<212> DNA
<213> A.fumigatus

<400> 22132
accaatggaa ccaactccaa gtgggcaact gccgtcgacg gcctgctcaa caacaccctc 60
gatattttct tccccgccaa atacggcggc aacatcatgt ccgaggtcct ctgcgagccg 120
aacgaagtct gtaacgacaa cgagatcctc ttcaagggcc tcgtcacatc ctggctagcg 180
tttacggctc ttctggtccc ctccacctac gacaggattc tccccaagct gcagggatca 240
gccgtggcgg ccggcgcaac ctgcacgggc aacggtaaca attcctgcgg agtgcgatgg 300
tacacgtcca agtgggacgg g 321

<210> 22133
<211> 198
<212> DNA
<213> A.fumigatus

<400> 22133
ccacttacat ataccaaaat aaaaattaac aacaaaacaa ataactctcc acccatcttt 60
acaaaacaca accaccacca aacaaaaaac ccaaattaca ttcaacaacc aaatatcatc 120
caccccccaa cttacaaata ctccattatt acaacaacaa ataaacccat caactttcca 180
ttttccatcc aactttaa 198

<210> 22134
<211> 183
<212> DNA
<213> A.fumigatus

<400> 22134
caagaaaaat catatccact aaatccctcc atcattaccc ccttaaagac gaactcctct 60
aaaatcaaat ccatcacccc tctaaaacct caacttatcc aacaactaat caccataact 120
cctggagctg atggtcaatt taagcctttc agggggcgca ttgtttgctt ctggggtcct 180
taa 183

<210> 22135
<211> 525
<212> DNA
<213> A.fumigatus

<400> 22135
acattattgc aagcgatcct gggacatatg tgccctatca ggctgagaaa ttgccgcctt 60
gcgaggagtt cacagtcgct gttctccaag gaagcgtgcc cctggctgag gagcacagat 120
cacgtattgg ccatattcga gaaaccagta caaaccaagg aaattttggg cccgaatgat 180
tctctccgag acgaccacag aagaaatttc tttccaccta aaaagctaca tattcttctt 240
gaatccccac atcgccactg gttccggcta tccgcatgtc gtcccctggg gtgggtttcc 300
cacctctttc ccccctccct tctgttccgc tcttcctcgg aaccgcttga attacccccg 360
cgggttttcc ctgctccctc atccttctgg ttacaatttt ctcccagcct tcctccgaat 420
tctccaccac tggaatctcc tttacctcct ccacataaaa ccccccccct tatccccccc 480
tccgttgtta tgaaagggtt ccccttccac cccacggggc cctcc 525

<210> 22136
<211> 405
<212> DNA
<213> A.fumigatus

<400> 22136
gagggccccg tggggtggaa ggggaaccct ttcataacaa cggagggggg gataaagggg 60
ggggttttat gtggaggagg taaaggagat tccagtggtg gagaattcgg aggaaggctg 120
ggagaaaatt gtaaccagaa ggatgaggga gcagggaaaa cccgcggggg taattcaagc 180
ggttccgagg aagagcggaa cagaagggag gggggaaaga ggtgggaaac ccaccccagg 240
ggacgacatg cggatagccg gaaccagtgg cgatgtgggg attcaagaag aatatgtagc 300
tttttaggtg gaaagaaatt tcttctgtgg tcgtctcgga gagaatcatt cgggcccaaa 360
atttccttgg tttgtactgg tttctcgaat atggccaata cgtga 405

<210> 22137
<211> 549
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (17)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22137
ggtcgtatcg ttagctncgt ccctgcggag aagaactcgc ttgcacgccc cacccttttct 60
gttgttcaag cctgtctttt gctggcctac gaacaattcg gatcgaatca tgacagtggt 120
ctctggatgt atctaggtat tgccattcga atggctcagg atcttggaat gcagaagctg 180
cagggactgc aacacagtta tgggcggagg ggcgtgactc caagtgcagt tgtgtctgga 240
cgggcagggc agctacggga ggaagaatat gatcaaagca atgatgctca agtcccgtta 300
agcccaggcg ccgagatgaa tcatagtgag gaccatcgcg cctgggagcg tgagaaagtc 360
gacacgttct ggagcatttt cttcctggat cgtgtaatct cctctggtac tgggaggcca 420
gtcacgctac gggacgagga aatagagtta tgtttcccgc tacagtcaga atcgaaacta 480
tcgaacggct ggcctgcacc gttcccacca ctcattcgca tcatacacct ttacggaaga 540
gtcacggat 549

<210> 22138
<211> 183
<212> DNA
<213> A.fumigatus

<400> 22138
ccgaatagca ccggatcgaa cgtggctatc gtccccgctg catctttgcc agcatattcg 60
gcatccaagg ctgcattgaa cgtgttcacc ttgtctctcc gtgatcagct gcggaattcc 120

aacgtggcag tgattgagat ttcacctccg ccagtgcaga gtatgccatc ccagcaccct 180
tga 183

<210> 22139
<211> 489
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (207),(235),(299)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22139
gacgcgttcc ctgtacccgg tagtgaatac aaggcccgtg gtgttaattg ggttgtaatt 60
ggcgactgga attacgttga gggaagctcc ggtgagcacg ccgctttgga gcccagacac 120
cttggtggtc tcgctattat cacccgcagc tttgcccgta ttgtaagtct ttctggccct 180
cattttgcaa tctgcgtaat aatactnact tttctttcac agcacgaaac caccntgaag 240
aagcagggta tgtttcctct cactttcgct gaccctgccg attatgacaa gatcaaccnt 300
gaggacaccg tcgacatcct ttgcacccag ctcgaggttg gcaagcccat gactctccgt 360
gttcacccca aggatggcag cgctcccttc gacatctccc tgaaccacac cttcaacgag 420
tctcagatcg agtggttcaa ggatggctct gccctcaaca ccatggcccg caagtccggt 480
gccaaatag 489

<210> 22140
<211> 234
<212> DNA
<213> A.fumigatus

<400> 22140
ttggattggc aaagaagccc cacgggaatc cctattcttt atacaagggc cggggcaagg 60
ataccaccca ttcacatttt ccatggttgc cccatggttg aagtaaccgt ggccaccttg 120
aacaacaatt taaccaacat gtggattgtt ctagtcaacg tggagaacgg caaggccaat 180
ccgttcaagg acaagttcat tggggaggta agacgcgttc cctgtacccg gtag 234

<210> 22141
<211> 303
<212> DNA
<213> A.fumigatus

<400> 22141
ccgggccaca ttatcccgct cgaggcgaag gacggcggcg tgcgtgagag aaagggacac 60
acggaagcgg cggtcgaatt ttgccgcctg gcgggtaagt cgcctgttgg tgtgattgcc 120
gagttggtcg aggatggtga tctcgttgag ggaatccccg agatccgggg caataatggt 180
atgatgagac gcgatgggtg cttgaagttc ggcaagaaat ggggtatcaa ggtgtgcacg 240
attgaggatt tggtggagta ccttgagaga acggagagtc ctttgccgaa tgggaagcat 300
tga 303

<210> 22142
<211> 243
<212> DNA
<213> A.fumigatus

<400> 22142
gcagacaaga cgccatttgg gtacaatttc tttctgctgg acaattctca tacagccatg 60
tcgtcccccc tgccgagcca acgccactat ttgtttatgt gtctattatt agatattcac 120

gggaaaggtg agctgacttg tacgtactct gtctactcga acgccctcac ctttcttcag 180
ctgcagagcc gtggagcgga actccttgct tccccgttta catacttggg aattgaaatc 240
atg 243

<210> 22143
<211> 261
<212> DNA
<213> A.fumigatus

<400> 22143
gcttcgacat tcaccgtgtt ccaagtactt ggtggattag aagcaatgcg agaagaaccg 60
tcctctgctc agctattcaa gccgctcaag gtgggaagat gtcatctcca acataggatg 120
atcatggcgc cgacaactcg attccgggcc gatggacagg gggtcccgct tccttttgta 180
caagagtatt acagtcagcg tgcatcggtt cctggcaccc tcctcatcac cgaagcaacg 240
tcttcaccac gggctgagat c 261

<210> 22144
<211> 192
<212> DNA
<213> A.fumigatus

<400> 22144
ggaatcgaga tgtccgactg ctcgctctcc atcaccccca tcatttggat ttcgtacatc 60
cggacccgcg gcacaaaaag cttagactgt ttagtgacag tgaatggaat cggcgcgttg 120
gggtctttct tcgcaatgcg ccgagcttct ctgtacgtct ctggattcca gtatgaaata 180
tcaagccagt ga 192

<210> 22145
<211> 480
<212> DNA
<213> A.fumigatus

<400> 22145
ggagactttc acagcaccgg ttattcgcat gagatgagcc agtcgttcag tttcgagagt 60
cggactcccc atatatcacc aaaatctacc atgcaaggct cgtttccagg aatgacccgc 120
aaggagcatc tttccgctcg ctcagacgag tggaaatacg gcatacctca ctggcttgat 180
atttcatact ggaatccaga gacgtacaga gaagctcggc gcattgcgaa gaaagacccc 240
aacgcgccga ttccattcac tgtcactaaa cagtctaagc tttttgtgcc gcgggtccgg 300
atgtacgaaa tccaaatgat gggggtgatg gagagcgagc agtcggacat ctcgattcct 360
tatctattgg agggccaggg cgtttcaccg cccctcaaat gctggtctcg gtttgggccc 420
aagtgtcttt catatagggt tccttcagac gcaattaggt attcaccacg ggtggagatc 480

<210> 22146
<211> 333
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (140),(174),(175),(190),(271)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22146
atcgcaacga ggcatacttt gccaaactgg gttccgaaaa cgcagcgcgc tcggcctccc 60
tgccgccctc gcaggacggg gaaatacacc agcttcagcg gcggctttgc ccccacggca 120
agatctaaaa catccccccn cgccccgggc ggtgccgggg cctccacaat ttcnnataag 180

gatcccgtcn ggcgcgctaa acaaaagggt ttggctgggt ttacaacagc tgtggggaat 240
aagcgcgaaa aacggtcaat gaatatgtat ntcccaaccc aacggcgaaa aaccgttacc 300
cccgcccccc tttcctggtt ggggaaaaat taa 333

<210> 22147
<211> 234
<212> DNA
<213> A.fumigatus

<400> 22147
gcctcaccta agttcggaac cttcatctgc ctaaactgcg ccggcacgca tcgaggattg 60
ggtgtgcata tctccttcgt ccgctccatc accatggatg ccttcaaaac gtccgagatc 120
ctccgcatgg agaacggagg caacgacccc tggaagacct tttacgacaa ccaccccatc 180
acgcagtccg aaggccggac cttcgaagac tcaaccatca acgaacggta ctaa 234

<210> 22148
<211> 867
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (65),(69)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22148
tacgtattcc caaagaaaaa ggaagtactg gttctcgaag agatgatgaa ggatgcagag 60
ggcanagana gagagccctt gaggcactac cgaaccaaga caaagcagtg gtttgacctg 120
gacgatcgag aatatcaacg tttgcgacgc agtcgagagc ctttcttgca acaatgcttt 180
gagaactatt tgctttgcct caaagaaagc gacatgtata acaatgatgc gctccgcttc 240
tgtgccttat ggcttggcaa atccgatagt gagatcgcaa acaaagctgt ctccaaatat 300
ctcaaccagg tcccgagtcg gaaattcgcg ccactgatga accagcttac ttcccgtctc 360
caagacacct ctgacgattt tcagaatatg ctctttgcat tgattttccg catttgcgtc 420
gagcatccgt tccatggcat gtaccaaata ttcgccagca gcaagtccaa gggcggaaag 480
gacccgtcag ctttgtctcg taatcgagcg gcaagcaggc tggtagattg cctgaaaaat 540
gacaaacgga ttgggccgac atgggttgca gtgcacaacg cgaatatcag ttacgtgcgg 600
ttcgcggtcg atcgactgga cgagaaggtc aagagtggtg cgaaggtgcc attgaagaaa 660
ctcctgacgg gccagcgact agagcaagac gcttcgacac aaaagctgcc gccacctacg 720
atgaaaattg ccatccgtgt tgattgcgac tacagtgaaa ttcccaagct tgttcgatat 780
catcctgagt tcacggttgc atctggggtg agcgcaccga agattgttct tcaccacggg 840
ctggaagata cgcgtacccc gtgttac 867

<210> 22149
<211> 546
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (100)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22149
aaaaaagggc ccttgcttct ggacgctgat cttaaatatc tgtactctgc ttttaccaaa 60
atcccctgtt tacgtctagc ccccgaccat cgcgcccgcn taatacgtgg gtacgaggag 120
tttccctttg acactgcagt tcctctccat gctttcaaaa acttgagcgt attagagatt 180

atcgatatag actaccgctc attcttcggc tgggaccgac tgtcggagca gttgcgaaca 240
ttgactctaa aaagggcgaa cgtcgaggac atggcagatc tgctgaccgg aatcgtgctt 300
gatgacattg ataaacgccg acgacggtcg tcgaaggctc agcattcgcc agttcttgga 360
tggaacggaa atgcccatcc tcaaccagtg cataagcctg atatttcagg ctccgtttcc 420
gctcccggct cgccagtcgt tgaaacggcg tttggaacaa gcactagccc caaggcagtt 480
tctatgatgc gagtcggctc tgaaggcgct gcccccgggc gagcacggac tgaaagcgtt 540
tatctt 546

<210> 22150
<211> 342
<212> DNA
<213> A.fumigatus

<400> 22150
tgccgacacc tgtcccagcg ccacactcag cgaatgactc gtcgactgaa tctcccggat 60
aacagcggta ttctctattt gtacatccag agtgatcgag ataccctgca catctgcgtc 120
gggcggcatg ctcatattcc ccgggtgata gccataccgc ggcgcaatgg aattaggcag 180
cgtataccgc accgcgtcac tctgcgcatc ctgcttcagc tccccgacaa gcgtaatctg 240
tacgacaacc gtctctgcag gtccaacatt cccaagtcgg atggagagta catccgaggc 300
actgagcgaa tgggccatca gcgccgcgga ctcgcccttt ga 342

<210> 22151
<211> 666
<212> DNA
<213> A.fumigatus

<400> 22151
agcgcattgc tcgtgtcctt cggccgtgtg gtgaagacga gaataacagg aaggtgtttc 60
tactcgagac ctggaagccg ctggagtgtt tccatggcca ggacccttga cggcatgctc 120
ctgcaacaaa ggtatcctga atctagtgtc acggattttt ttgcttcaaa cactgtgatt 180
cttgttgatg aggctcaggc ttcatacaag gactcttact tctggaacac gatcatcaaa 240
gagcgaaggt ctggtgaagg catgggcata aagatttgtc ttttctgttc ctacggaagc 300
cctctgacag gcctggaggg agaccacgta tggtttactc cagctacttt tggtcccgcg 360
cagcgcatta cactgacccc tcaacctggc aaagattcgc caaagctcgg cttattttat 420
acaccagatg aatttgatga agctgtgtca cttttgacca caaacaagta cgatgaaaag 480
ttcacaattg atgaagaggc tatgagctac ctatacgagc tcacaaatgg gcatcctgga 540
agggtgacat cattagtcga ttatcttcat tctgtatgta ccgttcttga cctcagccca 600
gaaagtgaac ggatcggctt taggcttgcg tgtccaacta actctagttt aggtgcatcg 660
ccatga 666

<210> 22152
<211> 615
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (603),(604)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22152
cgcagtttgc aatactgcct gacttggctg cggtgggcca acggtcggct gggcaaggcc 60
atcatcgctc tccagggcgc gctcaaggaa tgggatagcg ctaaacggga gaacggcgag 120
ggtgacgcct cgttgttgtc gcagcgtatc caggctgtca aggaggatgt cctctcgacc 180
ttgaaacagg tcgtcgatgt cgtctccaag tatgccggcg gagctctacc ggagaacgcg 240
cgcaacctgg tccgtcgcca tctgacttcc ctgccgcacc ggttccaggt cgcctcgacg 300

tccaagcctc ctcccgactc ctctgcatcc agctcagacg caacactcgg cgctcaccgc 360
attttggtgc tggcgcagga gggtttggac atgatggcac aggttagcgg tgtggtcaac 420
gataccctcg ttagtgctga gctctggtgc caaagactgg gcaagaaacg cccagagagg 480
gacagcaagc aaccggatgg tatgcaaccg cctgactccc atcgggagca gtacccggtc 540
gatgtcaagc agccgatacg tgaaggatgt cttcaccacg gggctggaag gtgcagtcta 600
ttnnaaaact ccccc 615

<210> 22153
<211> 201
<212> DNA
<213> A.fumigatus

<400> 22153
aatccctctt ctaagctatt aagctttatg gataatacgg tggggctgct atcagtggac 60
ccacttatat accccttatt aagatcctta accttgttgt ctgtgctctg caacgcctat 120
aggactgcta tctgcttcta ctactatatt actataatct atatatctgt gggattaacc 180
tatagtgccc ttcttctatg a 201

<210> 22154
<211> 255
<212> DNA
<213> A.fumigatus

<400> 22154
atcgaaggcg aactcttccc ctctagccga agctcacgcc ccgtactgga ccaaggcttt 60
ctgcacagtg acctcaccta caacgtcccc tccgtctggg acgggcgctt cttccgacta 120
gacgaccacc tcaacggtct agaagccagc tgcgcgaaac tccgggtcaa accactctta 180
ccctgcgagc aggtcaggca gatcctagtg gagatagtcg tgaaaacagc atccagaatg 240
cctttgtcga ggtga 255

<210> 22155
<211> 228
<212> DNA
<213> A.fumigatus

<400> 22155
gccaacccta cggagacagg aggactcttt gcactaggcc tgggtgtcgg ccgaagtatt 60
agcgggcggc tcttgaaact tagtggaagg tggaagggtc atttatatca cctataccac 120
catatctgga aggattcatc tgccatcacg ggaaagtcta agatagtcac cccatgtttc 180
cccggctccg acaaccctct gacaactcac gactctacag aggtctaa 228

<210> 22156
<211> 762
<212> DNA
<213> A.fumigatus

<220>
<221> unsure
<222> (725)
<223> Identity of nucleotide sequences at the above locations are unknown.

<400> 22156
gtccctggga cgaaacccca aagaggcgcc ttccaaaggg caggtggttc ccgatcgggg 60
tacgtcggtg tacgcaggaa aaaccaacaa tcgaagagag agcaacaagt tcggcaatac 120
gtcgccaata tccagaagca aagcaccgtc gagtcgaaaa aggacacatt atcgtctccc 180
gccaccgatg ctggatcggg tgtcgcacct tcaaaagaag cgtcgacgcc acgccaacca 240

```
ttacctccca agcaatatcg tctacaagtc cgattatttg atggaagctc agtgcgcaac    300
acttttgcac ccgcacatac tatccgcggg aatgtacgcc cgtggcttga cggtctacta    360
cagaatgaga aacgcccata taatcttaag catatcttga caccttgcc taatcgaact    420
ctcacgattg ccgacgagga acgtacactc gaagatcttg gactaggatc cacggcgaac    480
cttgtgatga tccccatcaa ttcgtacaca gaggcatata cctcgtcagg gcctagctta    540
cccgtgcgag ctgcatattc tgcgtacggc ttgctctcct ctgcagttgg caccgcgacg    600
gccctagtgg gatctttcat cgggtataac ccgacccctt cagactctcc cgggtcttct    660
ccaacctcca gttcgtctcc tgggaatgga ggtcggagtc cacagcctgc tgcatgcaca    720
gggtnttcac ctaggaacgt cggcggaacc gaagttagtt gg                       762

<210> 22157
<211> 199
<212> PRT
<213> A.fumigatus

<400> 22157
Leu Leu Thr Trp Leu Ser Ser Ser Leu Leu Gly Tyr Ser Ala Ser Leu
1               5                  10                  15
Arg Phe Gln Pro Thr Lys Arg Pro Gln Leu Ala Ala Gln Lys Pro Lys
            20                  25                  30
Pro Lys Pro Ala Leu Pro Lys Ser Thr Pro Gly Ala Ala Ser Ala Pro
        35                  40                  45
Ala Pro Pro Val Lys Thr Thr Leu Ala Asp Trp Ala Ala Thr Glu Glu
    50                  55                  60
Asp Asp Val Asn Gly Phe Tyr Ile Gly Glu Lys Arg Gln Arg Gly Gly
65                  70                  75                  80
Arg Lys Lys Arg Lys Lys Asn Arg Glu Ala Gln Ala Phe Val Gln Asn
                85                  90                  95
Trp Asp Asp Ile Tyr Asp Pro Ser Arg Pro Asn Ile Tyr Glu Glu Tyr
            100                 105                 110
Lys His Ser Asp Glu Gln Ile Ala Glu Val Arg Glu Trp Lys Asp Arg
        115                 120                 125
Leu Tyr Ala His Arg Met Ala Arg Ser Pro Ser Arg Ser Ser His Ser
    130                 135                 140
Ala Asp Glu Ser Arg Pro Met Asn Ser Lys Leu Phe Phe Ala Trp Arg
145                 150                 155                 160
Ser Thr Val Lys Asn Ala His Glu Phe Phe Ala Glu Gln Phe Ala Pro
                165                 170                 175
Pro Gln Ser Phe Ala Pro Pro Pro Asn Leu Asn Glu Ser Ser Pro Arg
            180                 185                 190
Gly Trp Lys Glu Thr Arg Tyr
        195

<210> 22158
<211> 214
<212> PRT
<213> A.fumigatus

<400> 22158
Cys Arg Gly Ser Phe Gln Pro Arg Gly Glu Asp Ser Lys Asn Phe Ile
1               5                  10                  15
Asp Tyr Glu Glu Tyr Pro Gln Ser Ala Glu Ile Gln Asn Arg Cys Val
            20                  25                  30
Ser Met Ile Ala Arg Leu Phe Asn Ala Pro Ile Asn Ser Asp Asp Glu
        35                  40                  45
His Pro Val Gly Thr Ser Thr Ile Gly Ser Ser Glu Ala Ile Met Leu
```

```
    50                  55                  60
Gly Thr Leu Ala Met Lys Arg Arg Trp Gln Asn Lys Arg Lys Ala Glu
65                  70                  75                  80
Gly Lys Asp Thr Thr Arg Pro Asn Ile Ile Met Asn Ser Ala Val Gln
                85                  90                  95
Val Cys Trp Glu Lys Ala Ala Arg Tyr Phe Asp Val Glu Glu Arg Tyr
            100                 105                 110
Val Tyr Cys Thr Glu Asp Arg Tyr Val Ile Asp Pro Lys Gln Ala Ala
        115                 120                 125
Asp Met Val Asp Glu Asn Thr Ile Gly Ile Cys Ala Ile Leu Gly Thr
    130                 135                 140
Thr Tyr Thr Gly Glu Tyr Glu Asp Val Lys Ala Ile Asn Asp Leu Leu
145                 150                 155                 160
Val Glu Arg Gly Leu Asp Ile Pro Ile His Val Asp Ala Ala Ser Gly
                165                 170                 175
Gly Phe Val Val Pro Leu Ile Asn Pro Asn Leu Leu Trp Asp Phe Arg
            180                 185                 190
Leu Glu Lys Val Val Cys Ile Asn Val Ser Gly His Lys Tyr Gly Leu
        195                 200                 205
Val Tyr Pro Gly Val Gly
    210
```

<210> 22159
<211> 80
<212> PRT
<213> A.fumigatus

<400> 22159

```
Val Val Trp Arg Ser Pro Glu Tyr Leu Pro Lys Glu Leu Ile Phe His
1               5                   10                  15
Ile Asn Tyr Leu Arg Ala Glu Gln Ala Asn Phe Thr Leu Asn Phe Tyr
            20                  25                  30
Lys Gly Ala Ser Gln Val Ile Gly Gln Tyr Tyr Gln Met Ile Arg Leu
        35                  40                  45
Gly Lys Arg Gly Tyr Arg Ser Ile Met Val Asn Ile Thr Arg Ile Ala
    50                  55                  60
Asp Tyr Leu Ala Gln Gln Leu Glu Lys Leu Gly Leu Ile Ile Met Ser
65                  70                  75                  80
```

<210> 22160
<211> 136
<212> PRT
<213> A.fumigatus

<400> 22160

```
Thr Ala Pro Cys Arg Ser Ala Gly Arg Lys Pro Arg Asp Thr Leu Met
1               5                   10                  15
Trp Arg Ser Ala Thr Ser Thr Val Pro Arg Thr Ala Met Ser Leu Thr
            20                  25                  30
Pro Ser Arg Pro Leu Ile Trp Ser Thr Arg Thr Pro Ser Ala Ser Ala
        35                  40                  45
Pro Ser Trp Glu Pro Pro Thr Pro Ala Ser Thr Arg Thr Ser Arg Arg
    50                  55                  60
Leu Met Ile Phe Trp Ser Ser Ala Ala Leu Thr Phe Arg Ser Met Trp
65                  70                  75                  80
Thr Pro Leu Ala Val Ala Leu Ser Ser Arg Ser Ser Thr Pro Ile Cys
```

```
                85                  90                  95
Cys Gly Thr Phe Ala Trp Arg Arg Ser Phe Ala Ser Thr Cys Pro Ala
            100                 105                 110
Thr Ser Thr Ala Leu Ser Thr Pro Ala Trp Ala Glu Ser Ser Gly Ala
        115                 120                 125
His Pro Asn Thr Tyr Pro Arg Ser
    130                 135
```

<210> 22161
<211> 76
<212> PRT
<213> A.fumigatus

<400> 22161

```
Met Leu His Val Gly Ser Phe Gln Pro Arg Gly Glu Asp Arg Pro Val
1               5                   10                  15
Ser Cys Tyr Thr Leu Leu Ser Gly Phe Arg Leu Pro Trp Pro Pro Ser
            20                  25                  30
Gly Cys Leu Asp Glu Leu Thr Pro Phe Val Val Ser Asp Glu Arg Ala
        35                  40                  45
Phe Arg His Leu Asn Leu Ala Phe Gly Ser Ser Arg Ile Ala Ser Ser
    50                  55                  60
Ala Tyr Gln Lys Trp Pro Thr Ser Asn Ala Ser Phe
65                  70                  75
```

<210> 22162
<211> 66
<212> PRT
<213> A.fumigatus

<400> 22162

```
Glu Thr Leu Ile Thr Lys Tyr Asn Thr Ser Thr Ile Ile Ile Leu Tyr
1               5                   10                  15
Asn Lys Ile Glu Val Ile Thr Gly Phe Leu Pro Lys Asn Asn Ile Asn
            20                  25                  30
Lys Ile Ile Tyr Ile Ile Asn Tyr Asn Leu Phe Lys Leu Tyr Ile Ile
        35                  40                  45
Ile Asn Ile Ile Ile Gly Tyr Leu Ala Pro Thr Leu Lys Asn Lys Thr
    50                  55                  60
Ile Ile
65
```

<210> 22163
<211> 112
<212> PRT
<213> A.fumigatus

<400> 22163

```
Met Ser Cys Thr Gly Thr Trp Met Thr Arg Asn Arg Gly Leu Tyr Arg
1               5                   10                  15
Ser Thr His Ile Arg Arg Trp Leu Lys Met His Thr Arg Ser Gly Arg
            20                  25                  30
Leu Thr Arg Thr Leu Thr Ser Ala Lys Leu Leu Pro Met Pro Val Pro
        35                  40                  45
Glu Val Ser Val Ser Ser Pro Lys Ser Ile Cys Pro Val Val Trp Gln
    50                  55                  60
```

```
Tyr His Thr Ala Val Gln Pro Asn Pro Gly Gln Leu Asp Ile Ile Tyr
65                  70                  75                  80
Asp Lys Thr Tyr Asp Ile Val Arg Asp Val Tyr Asn Glu Leu Ser Gly
                85                  90                  95
Val Phe Thr Asp Asn Trp Phe His Val Gly Ala Asp Glu Ile Gln Pro
            100                 105                 110

<210> 22164
<211> 133
<212> PRT
<213> A.fumigatus

<400> 22164
Arg Leu Ser Ile Gln Asp Ala Pro Leu Tyr Pro Tyr Arg Gly Ile Met
1               5                   10                  15
Ile Asp Thr Gly Arg Asn Phe Ile Ser Val Lys Lys Ile Leu Glu Gln
            20                  25                  30
Leu Asp Ala Met Ser Leu Ser Lys Leu Asn Val Leu His Trp His Leu
        35                  40                  45
Asp Asp Thr Gln Ser Trp Pro Val Gln Ile Asn Ala His Pro Glu Met
    50                  55                  60
Val Lys Asp Ala Tyr Ser Val Arg Glu Thr Tyr Ser His Ala Asp Ile
65                  70                  75                  80
Arg Gln Ile Ile Ala Tyr Ala Arg Ala Arg Gly Ile Arg Val Ile Pro
                85                  90                  95
Glu Val Asp Met Pro Ser Arg Leu Ala Ile Ser Tyr Cys Arg Ser Thr
            100                 105                 110
Gln Pro Gly Pro Ala Gly His His Leu Arg Gln Asp Val Arg His Arg
        115                 120                 125
Ser Gly Cys Leu Gln
    130

<210> 22165
<211> 102
<212> PRT
<213> A.fumigatus

<400> 22165
Arg Leu His Thr Thr Thr Ile Leu Ala Pro Tyr Cys Gln Val Ser Pro
1               5                   10                  15
Gly Leu Arg Ala Ala Thr Asp Gln Cys Asp Asn Lys Ser Arg Gly Leu
            20                  25                  30
Lys Leu Ala Asp Leu Ala Ile Trp Asp Gly Arg Gly Ala His Ala Gly
        35                  40                  45
Ala Lys Leu Arg Met Phe Leu His Asp Leu Ser Glu Tyr Tyr Leu Ala
    50                  55                  60
Lys Pro Gln Thr Phe Asn Asn Asn Ile Asn Lys Ile Leu Tyr Ala Thr
65                  70                  75                  80
Ser Gln Leu Ser Val Asp Val Lys Asn Ala Trp Gln Glu Arg His Pro
                85                  90                  95
Lys Gly Tyr Lys Ala Ser
            100

<210> 22166
<211> 71
<212> PRT
```

<213> A.fumigatus

<400> 22166
Lys Ser Gly Ile Gly Leu Pro Ser Leu Glu Asn Lys Gln Ala Asp Val
1 5 10 15
Asn Gln Met Gln Cys Ala Trp Leu Gly Glu Arg Val Ala Ala Pro Asn
20 25 30
Leu Asn Gly Val Thr Thr Asn Val Ile Leu Gly Lys Thr Gly Gly Asn
35 40 45
Trp Gly Pro Arg Arg Ser Asp Lys Thr Gly Ala Val Arg Leu Trp Gln
50 55 60
Ala Ile Leu Asp Ser Lys Asn
65 70

<210> 22167
<211> 63
<212> PRT
<213> A.fumigatus

<400> 22167
Thr Ser Arg Cys Pro Gly Lys Gln Leu Leu Lys Val Pro Gly Asn Ala
1 5 10 15
Thr Thr Ser Glu Asp Cys Leu Thr Val Asn Val Phe Arg Pro His Gly
20 25 30
Ala Lys Gly Lys Leu Pro Val Ala Val Tyr Val His Gly Gly Ala Tyr
35 40 45
Asn Arg Gly Thr Gly Glu Glu Ser Ala Asn Lys His Gly His Val
50 55 60

<210> 22168
<211> 62
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (62)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22168
Ile Ala His His Ile Met Asn Tyr Asp Leu Gly Thr Ser Leu Phe His
1 5 10 15
Arg Ala Val Leu Glu Ser Gly Ala Ala Thr Ser Arg Ala Val His Ala
20 25 30
Tyr Asn Ala Gln Ile His Glu Thr Gln Phe Gln Glu Phe Ile Thr Glu
35 40 45
Ala Gly Leu His His Gly Ala Gly Arg Ser Ser Ala Lys Xaa
50 55 60

<210> 22169
<211> 86
<212> PRT
<213> A.fumigatus

<400> 22169
Gly Asn His Cys Ser Ile Gly Ala Leu Gly Phe Leu Pro Ser Thr Val

```
1               5                   10                  15
Ser Ala Gln Glu Gly Ile Leu Asn Leu Gly Leu His Asp Gln Ile Leu
            20                  25                  30
Ala Phe Gln Trp Val Gln Glu Asn Ile Glu Ala Phe Gly Gly Asp Pro
        35                  40                  45
Ser Gln Val Thr Leu Ile Gly Leu Ser Ala Gly Ala His Ser Val Trp
    50                  55                  60
Arg Pro Arg Arg Tyr Asn Gln Arg Pro Ala Leu Ile Ser Ile Val Arg
65                  70                  75                  80
Arg Ser His Thr Ile Ser
                85
```

<210> 22170
<211> 144
<212> PRT
<213> A.fumigatus

<400> 22170

```
Lys Ala Val Leu Lys Phe Ile Ala Pro Tyr Thr Arg Phe Ser Leu Ser
1               5                   10                  15
Phe Ile Ser Lys His Ile Lys Ile Ser Val Pro Glu Val Gln Asp Ile
            20                  25                  30
Leu Ser Tyr Leu Ile Leu Asp Lys Lys Leu Asn Ala Lys Ile Asp Gln
        35                  40                  45
Glu Asn Gly Thr Val Val Val Glu Ser Ala Ser Asp Val Asp Arg Leu
    50                  55                  60
Arg Ala Leu Gln Asp Trp Ser Ala Ser Leu Arg Ser Leu Trp Gln Ala
65                  70                  75                  80
Thr Leu Ile Asp Gly Glu Gly Phe Lys Ser Asp Asp Pro Ala Gln Leu
                85                  90                  95
His Gly Met Arg Gly Gly Ser Met Leu Gln Ser Ala Phe Gly Asp Glu
            100                 105                 110
Ala Pro Thr Ala Gly Leu Arg Ala Ser Asn Phe Arg Val Arg Thr Gly
        115                 120                 125
Trp Lys Gly Lys Gly Gly Gln Gly Ser Lys Ala Gly Val Gly Ala Phe
    130                 135                 140
```

<210> 22171
<211> 201
<212> PRT
<213> A.fumigatus

<400> 22171

```
Leu Cys Asn Cys Ser Gly Ser Phe Gln Pro Arg Gly Glu Asp Tyr Ser
1               5                   10                  15
Ile Ile Val Trp Leu Asn Pro Thr Leu Cys Ile Met Pro Ser Val Val
            20                  25                  30
Ala Leu Asp Leu Cys Gln Leu Phe Asp Arg Ser Val Ala Arg Thr Pro
        35                  40                  45
His Gln Leu Ala Val Asp His Glu Ser Gly Ser Leu Thr Tyr Thr Glu
    50                  55                  60
Leu Asp Val Ala Ser Ser Asn Leu Ala Arg Lys Leu Lys Gln Glu Gly
65                  70                  75                  80
Val Val Pro Gly Glu Ala Val Leu Leu Leu Thr Glu His Gly Thr Arg
                85                  90                  95
Asn Val Val Ala Leu Leu Ala Ile Leu Lys Ala His Ala Cys Tyr Val
```

```
            100                 105                 110
Pro Leu Asp Arg Ser Ser Trp Ser Ser Glu Arg Ile Gln Ala Val Leu
        115                 120                 125
Asp Gly Thr Asp Ser Arg Ile Leu Ile Asn Thr Thr Val Glu Pro Phe
    130                 135                 140
Glu Ser Pro Arg His Lys Val Ile His Leu Thr Ser Ala Asp Val Thr
145                 150                 155                 160
Thr Leu Ser Thr Asp Arg Ser Thr Thr Lys Val Ile Pro Asp Ile Ala
                165                 170                 175
Pro Glu Asp Leu Ala Cys Leu Ile Phe Thr Ser Gly Ser Thr Gly Val
            180                 185                 190
Pro Lys Gly Val Met Ile Pro His Arg
        195                 200
```

<210> 22172
<211> 179
<212> PRT
<213> A.fumigatus

<400> 22172

```
His Ser Leu Arg Gln Lys Thr Val His Ser Asp Ile Ser Lys Arg Gln
1               5                   10                  15
Arg His Lys Arg Ser Ala Gln Thr Thr Val Gly Lys Gln Ala Thr Glu
            20                  25                  30
Lys Thr Arg Arg Lys Glu Lys Thr Lys Asn Arg Gln Gln Glu Lys Val
        35                  40                  45
Ala Glu His Thr Thr Thr Lys Ala Ser Asn Gln Glu Ile Thr Glu Thr
    50                  55                  60
Ala Ser Thr Lys Lys Glu Glu Lys Glu Arg Glu Thr Thr Glu Lys Glu
65                  70                  75                  80
Gly Glu Lys Arg Arg Gln Lys Ala Asp Gln Lys Glu Lys Gln Pro Gln
                85                  90                  95
Lys Arg Lys Lys Glu Arg Gln Glu Glu Arg Lys Arg Thr Gly Lys Lys
            100                 105                 110
Lys Ala Asp Ala Gln Gly Lys Arg Gln Glu Ala Ile Arg Asn Arg Asn
        115                 120                 125
Asp Lys Arg Glu Glu Lys Glu Glu Glu Arg Gln Thr Arg Glu Gly Arg
    130                 135                 140
Arg His Arg Ile Lys Arg Glu Lys Glu Asp Gln Arg Glu Gln Glu Ile
145                 150                 155                 160
Thr Gly Arg Val Ser His His Glu Gly Val Lys Glu Pro Ala Lys Cys
                165                 170                 175
Arg Gly Lys
```

<210> 22173
<211> 147
<212> PRT
<213> A.fumigatus

<400> 22173

```
Thr Pro Tyr Val Lys Arg Leu Tyr Thr Gln Thr Ser Ala Lys Gly Lys
1               5                   10                  15
Gly Thr Asn Asp Pro Pro Arg Leu Arg Ser Ala Asn Lys Leu Gln Lys
            20                  25                  30
Lys His Ala Gly Arg Lys Lys Gln Arg Thr Asp Ser Lys Arg Lys Ser
```

```
        35                  40                  45
Gln Asn Thr Gln Arg Gln Lys His Gln Ile Arg Lys Ser Pro Lys Pro
    50                  55                  60
His Gln Pro Lys Lys Lys Lys Lys Ser Gly Arg Gln Gln Arg Arg Lys
65                  70                  75                  80
Ala Lys Lys Gly Asp Arg Lys Gln Thr Arg Arg Lys Asn Ser Pro Arg
                85                  90                  95
Ser Gly Lys Lys Lys Gly Lys Lys Ser Glu Ser Glu Gln Gly Lys Arg
            100                 105                 110
Lys Pro Thr His Lys Gly Arg Asp Arg Lys Gln Ser Ala Thr Glu Thr
        115                 120                 125
Ile Lys Gly Arg Lys Arg Arg Arg Lys Gly Arg His Glu Lys Asp Glu
    130                 135                 140
Gly Ile Glu
145
```

<210> 22174
<211> 129
<212> PRT
<213> A.fumigatus

```
<400> 22174
Ser Leu Pro Thr Ser Lys Asp Cys Thr Leu Arg His Gln Gln Lys Ala
1               5                   10                  15
Lys Ala Gln Thr Ile Arg Pro Asp Tyr Gly Arg Gln Thr Ser Tyr Arg
            20                  25                  30
Lys Asn Thr Gln Glu Gly Lys Asn Lys Glu Gln Thr Ala Arg Glu Ser
        35                  40                  45
Arg Arg Thr His Asn Asp Lys Ser Ile Lys Ser Gly Asn His Arg Asn
    50                  55                  60
Arg Ile Asn Gln Lys Arg Arg Lys Arg Ala Gly Asp Asn Arg Glu Gly
65                  70                  75                  80
Arg Arg Lys Lys Glu Thr Glu Ser Arg Pro Glu Gly Lys Thr Ala Pro
                85                  90                  95
Glu Ala Glu Lys Arg Lys Ala Arg Arg Ala Lys Ala Asn Arg Glu Lys
            100                 105                 110
Glu Ser Arg Arg Thr Arg Glu Glu Thr Gly Ser Asn Pro Gln Pro Lys
        115                 120                 125
Arg
```

<210> 22175
<211> 70
<212> PRT
<213> A.fumigatus

```
<400> 22175
Ile Met Thr Phe Thr Thr Val Trp Trp Arg Ser Tyr Thr Trp Phe Asn
1               5                   10                  15
Cys Arg Lys Pro Trp Ile Pro Arg His Ser Ile Leu Ser Phe Lys Asp
            20                  25                  30
Leu Ile Leu Leu Leu Glu Leu Leu Leu Ala Phe Leu Asp Arg Lys Thr
        35                  40                  45
Leu Tyr Ser Ile Lys Leu Pro Ser Arg Ser Leu Ile Phe Phe Lys Leu
    50                  55                  60
Phe Leu Met Cys Ser Leu
```

65 70

<210> 22176
<211> 168
<212> PRT
<213> A.fumigatus

<400> 22176
His Ile Glu Arg Phe Asp Val Ile Glu Leu Ser Ser Gly Phe Leu Ser
1 5 10 15
Phe Pro Glu Asp Asp Trp Leu Gly Leu Val Asp Lys Val His Ala Tyr
20 25 30
Lys Leu Lys Ala Lys Pro Glu Leu Gly Ile Gln Phe Gly Ala Gly Gly
35 40 45
Asp Thr Pro Ala Ser Gly Leu Glu Ala Ile Gly Thr Ser Asp Pro Gly
50 55 60
Lys Leu Val Asn Met Gly Arg Lys Phe Leu Asp Val Gly Val Glu Arg
65 70 75 80
Leu Met Ile Glu Ser Glu Gly Ile Thr Glu Asn Val Gln Ser Trp Arg
85 90 95
Thr Asp Val Val Ser Thr Ile Met Lys Glu Leu Pro Ser Glu Arg Val
100 105 110
Met Phe Glu Ala Ala Asp Pro Lys Val Phe Asn Trp Tyr Ile Arg Glu
115 120 125
Phe Gly Ile Asp Val Asn Leu Phe Val Asp His Ser Gln Ile Val Gln
130 135 140
Leu Ser Cys Leu Arg Gln Gly Ile Trp Gly Thr Ala Asp Thr Trp Gly
145 150 155 160
Lys Val Val Ser Phe Arg Ser Glu
165

<210> 22177
<211> 106
<212> PRT
<213> A.fumigatus

<400> 22177
Gly Phe Arg Val Arg Leu Ala Asp Pro Gly Arg Tyr Ala Ile Arg Val
1 5 10 15
Gly Arg Ser Thr Ser Val Asn Gly Pro Phe Gln Asp Lys Asp Gly Lys
20 25 30
Asn Leu Thr Asp Gly Gly Gly Thr Val Val Tyr Ala Ser Asn His Gly
35 40 45
Val Val Tyr Ala Pro Gly Gly Val Gly Val Leu Pro Ala Asn Glu Lys
50 55 60
His Pro Glu Ile Leu Tyr Tyr His Tyr Arg Glu Ser Ile Pro Ser Leu
65 70 75 80
Cys Val Trp Phe Thr Asp Ser Thr Val Asn Thr Ser Met Gly Leu Lys
85 90 95
Asp Asn Val Ser Arg Ile Thr Thr Lys Gln
100 105

<210> 22178
<211> 78
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (78)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22178
His Ala Lys Asp Ala Arg Leu Gly Trp Ser Tyr Leu Glu Tyr Lys Asp
1 5 10 15
Gly Trp Pro Val Ala Arg Tyr Val His Tyr Pro Lys Glu Thr Thr Ser
20 25 30
Thr Asp Pro Cys Arg Ala Val Glu Asn Ser Gly Met Ala Ser Arg Pro
35 40 45
Asn Tyr Ile Leu Cys Ile Ser Ala Leu Ile Gly Thr His Ser Val Lys
50 55 60
Val Phe Thr Thr Gly Leu Glu Gly Ser Ala Leu Ile Tyr Xaa
65 70 75

<210> 22179
<211> 63
<212> PRT
<213> A.fumigatus

<400> 22179
Thr Val Ser Leu Ile Ala Glu Ala Leu Thr Asn Asp Ala Tyr Arg Phe
1 5 10 15
Asp Gly Arg Thr Ile Arg Val Asp Lys Ala Ser Glu Arg Pro Ala Arg
20 25 30
Asn Asn Gly Gly Phe His Gly Arg Gly Gly Tyr Asn Gln Ser Glu Gly
35 40 45
Ala Pro Gly Asn Gly Ile Cys Ser His Gln Ile Val Gln Arg Ile
50 55 60

<210> 22180
<211> 98
<212> PRT
<213> A.fumigatus

<400> 22180
Asn Lys Val Pro Thr Ala Glu Glu Ala Ala Glu Ile Val Asp Thr Ile
1 5 10 15
Asn Tyr Leu Arg Thr Gln Leu Ser Arg Asp Ile Glu Phe Met Asn Leu
20 25 30
Arg Met Ala Ile Tyr Tyr Asn Gln Lys His Gly Ser Ala Leu Asn Leu
35 40 45
Lys Arg Gly Glu Lys Val Tyr Leu Leu Arg Arg Asn Ile Lys Thr Lys
50 55 60
Arg Leu Ser Gln Lys Leu Asp His Gln Lys Ile Arg Pro Phe Ile Ile
65 70 75 80
Thr Glu Lys Leu Gly Leu Val Asn Tyr Lys Leu Arg Leu Pro Lys Ser
85 90 95
Met Thr

<210> 22181
<211> 214

<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (211)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22181
Ile Asp Val Lys Ala Asp Gly Ser Gln Glu Ile Val Arg Pro Ser Lys
1 5 10 15
Ser Gly Leu Ala Arg Val Ser Val Leu Arg Gly Ser Gly Val His Glu
20 25 30
Gly Val Pro Phe Ile Asp Asp Tyr Ile Thr Ile Lys Glu Pro Ile Val
35 40 45
Asp Tyr Val Thr Gln Tyr Ser Gly Ile Lys Pro Gly Asp Leu Asp Pro
50 55 60
Arg Thr Ser Gln His Asn Leu Val Pro Leu Lys Val Ala Tyr Lys Lys
65 70 75 80
Leu Trp Leu Leu Leu Asn Leu Gly Cys Val Phe Val Gly His Gly Leu
85 90 95
Ala Ser Asp Phe Arg Lys Ile Asn Ile Gln Val Pro Lys Ser Gln Thr
100 105 110
Val Asp Thr Gln Tyr Leu Tyr Phe His Pro Gly Lys Asn Arg Arg Leu
115 120 125
Ser Leu Arg Tyr Leu Ala Trp Ala Val Phe Lys Glu Tyr Ile Gln Glu
130 135 140
Glu Pro Ala Asp Asn Asn Gln Gly His Asp Ser Ile Glu Asp Ala Arg
145 150 155 160
Met Ala Leu Arg Leu Trp Lys Lys Phe Gln Glu Tyr Glu Asp Ala Gly
165 170 175
Ile Val Asn Gln Ile Leu Glu Glu Ile Phe Arg Glu Gly Ser Lys Leu
180 185 190
Gly Phe Arg Arg Leu His His Gly Ala Gly Arg Ile Ser Asp Gly His
195 200 205
Ile Lys Xaa Pro Pro Pro
210

<210> 22182
<211> 144
<212> PRT
<213> A.fumigatus

<400> 22182
Leu Pro Trp Arg Gly Ser Phe Gln Pro Arg Gly Glu Asp Ser Gly Asp
1 5 10 15
Arg Ile Ile Phe Arg Phe Leu Thr Gly Ala Tyr His Asp Trp Leu Gln
20 25 30
Gly Gly Glu Asp Glu Asp Asp Glu Thr Ala Glu Lys Arg Leu Val Pro
35 40 45
His Ile Glu Ser Met Ala Gln Glu Phe Glu Arg Gly Asn Glu Lys Tyr
50 55 60
Met Gln Glu Met Gln Val Leu Glu Ala Glu Asn Arg Ala Leu Arg Asp
65 70 75 80
Gln Ile Glu Glu Leu Glu Lys Asn Ala Pro Asp Met Ala Lys Leu Asp
85 90 95

```
Lys His Phe Arg Ile Leu Glu Asp Asp Lys Arg Lys Phe Glu Asp Tyr
            100                 105                 110
Asn Gln Asn Val Gln Gly Lys Ile Glu Lys Tyr Glu Asn Ser Asn Gln
        115                 120                 125
Val Leu Glu Glu Glu Asn Gln Asn Val Glu Ala Glu Leu Tyr Ala Val
    130                 135                 140
```

<210> 22183
<211> 86
<212> PRT
<213> A.fumigatus

<400> 22183

```
Gly Leu Ser Arg Ser Ile Lys Ser Leu Leu Lys Leu Cys Asp Phe Cys
1               5                   10                  15
Phe Arg Arg Tyr Leu Asn Leu Asn Ser Leu Ile Leu Asp Met Leu Tyr
            20                  25                  30
Ile Leu Leu His Leu Phe Phe Tyr Phe Lys His Ile Tyr Leu Cys Leu
        35                  40                  45
Phe Phe Asn Phe Ile Tyr Ile Phe Ile Gly Cys Ile Ala Tyr Leu Arg
    50                  55                  60
Val Thr Ile Ile Asp Leu Phe Thr Lys Phe Gly Pro Val Cys Cys Arg
65                  70                  75                  80
Thr Asn His Asn Ile His
                85
```

<210> 22184
<211> 149
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (135)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22184

```
Gly Gln Ala Asp Gln Ile Asp Tyr Glu Tyr His Asp Met Asp Gln Thr
1               5                   10                  15
Leu Val Leu Asn Leu Asn Gln Ala Ala Ile Asn Ala Ile Arg Ala Ala
            20                  25                  30
Gly Ala Thr Ser Gln Tyr Ile Phe Val Glu Gly Asn Ser Trp Ser Gly
        35                  40                  45
Ala Trp Thr Trp Thr Thr Val Asn Asp Asn Leu Lys Ala Leu Thr Asp
    50                  55                  60
Pro Gln Asp Lys Ile Val Tyr Glu Met His Gln Tyr Leu Asp Ser Asp
65                  70                  75                  80
Gly Ser Gly Met Ser Ala Thr Cys Val Ser Ser Thr Ile Gly Gln Glu
                85                  90                  95
Arg Val Gln Ala Ala Thr Gln Trp Leu Lys Thr Asn Gly Lys Lys Gly
            100                 105                 110
Ile Ile Gly Glu Phe Ala Gly Gly Ala Asn Ser Gly Ser Gln Ser Ala
        115                 120                 125
Val Thr Gly Glu Pro Ile Xaa Tyr Ser Ser Arg Arg Gly Trp Asp Val
    130                 135                 140
Thr Arg Gly Gly Tyr
```

145

<210> 22185
<211> 62
<212> PRT
<213> A.fumigatus

<400> 22185
Ser Leu Tyr Leu Phe Leu Lys Val Lys Ser Ile Asn Ser Gly Ser Gly
1 5 10 15
Asp Leu Asn Asn Ala Arg Phe Leu Ser Leu Val Ala Ala Tyr Ser Arg
20 25 30
Leu Thr Pro Phe Thr Glu Glu Val Trp Leu Gly Asp Gly Leu Leu Gly
35 40 45
Ser Gly Ile Arg Pro Leu Trp Gly Leu Ser Gly Arg Gly Ser
50 55 60

<210> 22186
<211> 130
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (2)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22186
Leu Xaa Asn Ser Met Ser Arg Ala Leu His Leu Ala Ile Phe Ser Asn
1 5 10 15
Gly Thr Arg Pro Ala His Tyr Ala Val Phe Ile Pro Thr Gly Asp Ala
20 25 30
Gly Lys Met Gly Lys Leu Ile His Val Thr Gly Thr Thr Ala Thr Gly
35 40 45
Phe Phe Leu Glu Phe Lys Arg Asn Tyr Asp Phe Asn Leu Thr Gln Arg
50 55 60
Lys His Gln Leu Ile Leu Leu Ala Gln Val Asn Ala Gln Tyr Ile Thr
65 70 75 80
Asp Thr Val Gly Thr Gly Gln Gln Ser Ala Asp Thr Ile Ala Arg Asp
85 90 95
Arg Leu Glu Ser Val Ala Thr Thr Val Pro Pro Pro Gly Arg Ser Ala
100 105 110
Asn Pro Phe Asp Pro Ser Val Ser Arg Pro His Arg Trp Asn Ser His
115 120 125
Ala Tyr
130

<210> 22187
<211> 135
<212> PRT
<213> A.fumigatus

<400> 22187
Asp Thr Met Leu Asp Pro Phe Phe Ala Asp Arg Tyr Leu Asp Asn Lys
1 5 10 15
Tyr Gly Met Gly Thr Ser Ala Glu Arg Ala Ser Ala Met Thr Asp Tyr

```
            20                  25                  30
Tyr Lys Arg Gly Leu Tyr Ile Pro Gly Leu Arg Val Asn Gly Met Asp
        35                  40                  45
Val Leu Ala Val Met Ala Ala Val Lys His Gly Arg Glu Phe Ile Arg
    50                  55                  60
Ala Gly Asn Gly Pro Leu Val Tyr Glu Tyr Val Thr Tyr Arg Tyr Ala
65                  70                  75                  80
Gly His Ser Met Ser Asp Pro Gly Val Gly Tyr Arg Thr Arg Gly Glu
                85                  90                  95
Leu Lys Ala Glu Arg Ala Ser Asp Pro Val Ser Asn Phe Arg Ala Gln
            100                 105                 110
Leu Ile Asp Trp Arg Ile Ile Thr Glu Ala Glu Ala Ser Ser Leu Thr
        115                 120                 125
Glu Asp Ala Arg Ile Arg Ala
    130                 135
```

<210> 22188
<211> 120
<212> PRT
<213> A.fumigatus

```
<400> 22188
Arg Leu Val Ser Ala Arg Tyr Ile Ser Gln Thr Ala Arg Val Ala Ala
1               5                   10                  15
Asn Gly Ser Asn Ile Leu Arg Arg Gln Leu Pro Ser Pro Leu His Gly
            20                  25                  30
Arg Cys Ser Ala Ala Gly Ile Ala Pro Arg Phe Thr Ala Gly Pro Ser
        35                  40                  45
Val His Ser Gln Asn Ala Val Thr Arg Arg Tyr Ala Ser Ser Thr Ala
    50                  55                  60
Ser Gly Pro Val Lys Lys Thr Gln Leu Tyr Asp Leu His Ile Ala Arg
65                  70                  75                  80
Gly Ala Lys Met Val Pro Phe Ala Gly Tyr Ser Met Pro Leu Gln Tyr
                85                  90                  95
Ser Asp Leu Ser His Val Glu Ser His His Trp Thr Arg Glu Lys Ala
            100                 105                 110
Ser Val Phe Asp Val Ser His Met
        115                 120
```

<210> 22189
<211> 160
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (94),(128),(129),(139),(140),(144),(157)
<223> Identity of amino acid sequences at the above locations are unknown.

```
<400> 22189
Val Leu Pro Ile Pro Ala Met Leu Ile Phe Glu Asp Thr Leu Asn Leu
1               5                   10                  15
Thr Leu Gly Arg Val Gln His His Leu Ser Gly Pro Gly Ala Met Glu
            20                  25                  30
Leu Leu Met Lys Val Thr Pro Ser Ser Leu Asp Lys Leu Lys Pro Asn
        35                  40                  45
```

```
Ser Ser Thr Leu Ser Cys Leu Leu Glu Glu Gly Thr Gly Gly Ile Val
    50                  55                  60
Asp Asp Thr Val Ile Thr Arg Leu Asp Gly Asp Ala Phe Tyr Phe Val
65                  70                  75                  80
Thr Asn Ala Gly Arg Arg Thr Glu Asp Leu Ala Phe Leu Xaa Ala Glu
                85                  90                  95
Ile Glu Ala Tyr Arg Gln Thr His Gly Ala Asp Ser Ile Lys Trp Glu
            100                 105                 110
Asn Leu Ala Asp Arg Ala Leu Val Ala Leu Gln Gly Pro Leu Ala Xaa
        115                 120                 125
Xaa Val Leu Gln Pro Leu Ile Ser Ser His Xaa Xaa Gly Leu Pro Xaa
    130                 135                 140
Asp Thr Asp Leu Asn Thr Leu Tyr Phe Gly Asn Trp Xaa Ser Pro Asn
145                 150                 155                 160
```

<210> 22190
<211> 65
<212> PRT
<213> A.fumigatus

<400> 22190

```
Cys Thr Glu Phe Ile Lys Leu Cys Arg Glu Asp Gly Val Val Asp Phe
1               5                   10                  15
Ser Val Met Ala Gly Arg Glu Leu Cys Tyr Gly Cys Ser Phe Asp Leu
            20                  25                  30
Asp Val Leu Pro Ile Pro Leu Ile Tyr Asp Ser Met Val Ser Lys Asp
        35                  40                  45
His Asp Met Ile Arg Ser Leu Glu Ile Leu Ser Tyr Pro Arg Val Arg
    50                  55                  60
Leu
65
```

<210> 22191
<211> 139
<212> PRT
<213> A.fumigatus

<400> 22191

```
Arg Leu Ile Arg Asn Ile Thr Glu His Gly Val Ile Ala Val Gly Val
1               5                   10                  15
Gly Met Asn Val Ser Gln Pro Gly Asp Val Ser Asn Ala Ile Phe Pro
            20                  25                  30
Ala Leu Arg Asn Ala Ala Ile Thr Met Gln Ile Gly Thr His Trp Asn
        35                  40                  45
Glu Thr Ala Pro Trp Ser Gln Met Leu Glu Asp Gln Tyr Lys Met Thr
    50                  55                  60
Asn Glu Tyr Val Pro Gln Leu Glu Ala Val Thr Pro Gly Ser Gly Cys
65                  70                  75                  80
Tyr Gln Asn Glu Ala Asn Phe Arg Gln Pro Asn Trp Lys Asp Thr Phe
                85                  90                  95
Phe Gly Val Asn Tyr Ser Pro Leu Leu Lys Ile Lys Gln Lys Trp Asp
            100                 105                 110
Pro Ser Tyr Phe Phe Tyr Ala Leu Lys Ala Val Gly Ser Asp Tyr Trp
        115                 120                 125
Thr Val Asp Asp Ser Gly Arg Met Cys His Ala
    130                 135
```

<210> 22192
<211> 113
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (102)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22192
Arg Gln Gln Val Leu Ile Ile Ala Met Ala Val Ser Phe Gly Ile Gln
1 5 10 15
Ser Trp Ile Glu Gly Gly Val Ile Gly Ala Val Ile Gly Leu Asn Ile
20 25 30
Val Val Gly Val Tyr Gln Asp Tyr Ala Ala Glu Lys Thr Met Asp Ser
35 40 45
Leu Arg Ser Leu Ser Ser Pro Thr Gly Thr Val Thr Arg Asp Gly Lys
50 55 60
Thr Ser Thr Ile Pro Ala Asn Glu Ile Val Pro Gly Asp Met Ile Glu
65 70 75 80
Leu Lys Val Gly Asp Thr Val Pro Ala Asp Leu Ser Cys Val Lys Ser
85 90 95
Tyr Gln Lys Asn Ile Xaa Ser Arg Ser Leu Thr Gly Arg Ile Gly Leu
100 105 110
Val

<210> 22193
<211> 90
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (5),(6),(7),(8),(9),(10),(11),(12),(13)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22193
Thr Leu Glu Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Glu Asp Arg
1 5 10 15
Tyr Glu Asp Val Leu Arg Glu Leu Ala Val Asp Pro Asp Gln Gly Leu
20 25 30
Thr Val Gly Glu Ala Lys Arg Arg Leu Gln Gln Tyr Gly Pro Asn Glu
35 40 45
Leu Glu Gly Gly Glu Gly Val Ser Ile Val Lys Ile Val Ile Arg Gln
50 55 60
Ile Ala Asn Ala Met Met Leu Val Ser Leu Ser Leu Leu Leu Asp Arg
65 70 75 80
Gln Arg Gln Thr Thr Asp Asp Ser Arg Ser
85 90

<210> 22194
<211> 78
<212> PRT

<213> A.fumigatus

<220>
<221> UNSURE
<222> (65),(66),(67),(68),(69),(70),(71),(72),(73)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22194
Gln Lys Gly Glu Thr Asn Gln His His Gly Ile Cys Asp Leu Pro Asn
1 5 10 15
Asp Asn Leu Asp Asn Gly Asn Thr Leu Ser Pro Phe Gln Phe Ile Arg
20 25 30
Thr Ile Leu Leu Glu Ser Ser Leu Arg Leu Pro His Gly Gln Thr Leu
35 40 45
Val Trp Ile Asp Gly Gln Leu Thr Lys Asp Ile Leu Ile Ala Val Phe
50 55 60
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ser Phe Lys Gly Ser
65 70 75

<210> 22195
<211> 71
<212> PRT
<213> A.fumigatus

<400> 22195
Arg His Ala Phe Ser Arg His Met Ser Leu Leu Thr Pro Ala Gly Ala
1 5 10 15
Ile Ala Leu Thr Val His Pro Leu Arg Pro Lys Ser Ala Ala Lys Gln
20 25 30
Arg Val Asn Pro Ser Met Ala Ala Leu Leu Pro Ala Tyr Ser Ala Trp
35 40 45
Pro Gly Thr Pro Ser Pro Ala Ala Ile Glu Asp Met Arg Ile Thr Arg
50 55 60
Pro Pro Gly Trp Met Trp Ser
65 70

<210> 22196
<211> 216
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (202),(212)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22196
Ser Ser Pro Gln Pro Gln Arg Ser Pro Phe Val Thr Ala Gly Gly Pro
1 5 10 15
Arg His Arg Ala Gly Ile Gly Leu Glu Leu Gly Arg Arg Arg Gly Leu
20 25 30
Arg Gly Asn Gln Leu Arg Pro Lys Arg Gln Val Gly Pro Arg Gly Gly
35 40 45
Arg Ser Asn Pro Gly His Arg Pro Pro Ala Gly Arg His Pro Ala Gly
50 55 60
Phe Asp Val Arg Ala Gln His Arg Val Val His Pro Glu Gly Arg Arg

```
65                  70                  75                  80
Pro Leu Gly Arg Val Glu His Cys Gly Val Gln Phe Arg His Gly Lys
                85                  90                  95
Val Gln Ala Leu Gly Gly Asp His Ala Gly Gly Leu Gln Arg Gly Val
            100                 105                 110
Gln Ser Gln His Ala Gly Ala Asp Val Arg Arg Ala Leu Arg Leu Arg
        115                 120                 125
Pro His Pro Ala Gly Gly Ala Gly Asp Pro His Val Leu Asn Cys Arg
    130                 135                 140
Gly Ala Gly Gly Ala Gly Pro Arg Ala Val Arg Gly Gln Gln Gly Gly
145                 150                 155                 160
His Arg Gly Val His Ala Leu Leu Gly Gly Arg Phe Trp Ala Gln Gly
                165                 170                 175
Val His Ser Gln Cys Asp Arg Ala Gly Gly Gly Gln Glu Arg His Val
            180                 185                 190
Ala Gly Glu Arg Met Ser Ser Pro Arg Xaa Trp Lys Tyr Ser Ser Val
        195                 200                 205
Ser Phe Lys Xaa Pro Pro Ala Arg
    210                 215
```

<210> 22197
<211> 205
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (191),(201)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22197

```
Pro Pro Ala Ala Arg Gly Ile Gly Pro Ala Leu Ala Ser Asn Leu Ala
1               5                   10                  15
Val Gly Gly Ala Ser Val Ala Ile Asn Tyr Gly Pro Ser Ala Lys Ser
            20                  25                  30
Ala Gln Glu Val Val Glu Ala Ile Gln Ala Ile Ala Arg Gln Pro Val
        35                  40                  45
Ala Ile Gln Pro Asp Leu Thr Cys Val Pro Asn Ile Glu Ser Phe Ile
    50                  55                  60
Gln Lys Val Val Gly His Leu Gly Gly Leu Asn Ile Val Val Ser Asn
65                  70                  75                  80
Ser Gly Met Glu Lys Phe Lys Pro Leu Glu Glu Thr Thr Leu Glu Asp
                85                  90                  95
Phe Asn Glu Val Phe Asn Leu Asn Thr Arg Ala Gln Met Phe Val Ala
            100                 105                 110
Arg Tyr Ala Tyr Asp His Ile Gln Pro Gly Gly Arg Val Ile Leu Met
        115                 120                 125
Ser Ser Ile Ala Ala Gly Leu Gly Val Pro Gly His Ala Leu Tyr Ala
    130                 135                 140
Gly Ser Lys Ala Ala Ile Glu Gly Phe Thr Arg Cys Leu Ala Ala Asp
145                 150                 155                 160
Phe Gly Arg Lys Gly Cys Thr Val Asn Ala Ile Ala Pro Ala Gly Val
                165                 170                 175
Lys Ser Asp Met Trp Arg Glu Asn Ala Cys Leu His His Gly Xaa Gly
            180                 185                 190
Ser Thr Ala Val Ser Val Leu Lys Xaa Arg Pro Pro Gly
```

195 200 205

<210> 22198
<211> 207
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (5)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22198
Gln Leu Ile Phe Xaa Met Arg Leu Leu Ile Ile Lys Arg Asn Thr Ala
1 5 10 15
Ile Pro Thr Lys Lys Ser Glu Thr Phe Ser Thr Tyr Ser Asp Asn Gln
20 25 30
Pro Gly Val Leu Ile Gln Val Tyr Glu Gly Glu Arg Ala Arg Thr Lys
35 40 45
Asp Asn Asn Leu Leu Gly Lys Phe Glu Leu Thr Gly Ile Pro Pro Ala
50 55 60
Pro Arg Gly Val Pro Gln Ile Glu Val Thr Phe Asp Val Asp Ala Asn
65 70 75 80
Gly Ile Met Asn Val Ser Ala Val Glu Lys Gly Thr Gly Lys Thr Asn
85 90 95
Lys Ile Thr Ile Thr Asn Asp Lys Gly Arg Leu Ser Lys Glu Glu Ile
100 105 110
Glu Arg Met Leu Ala Asp Ala Glu Lys Tyr Lys Glu Glu Asp Glu Ala
115 120 125
Glu Ala Ala Arg Ile Gln Ala Lys Asn Gly Leu Glu Ser Tyr Ala Tyr
130 135 140
Ser Leu Lys Asn Thr Ile Ser Glu Gly Lys Leu Asn Ile Ser Asp Ala
145 150 155 160
Asp Lys Glu Lys Val Ser Ser Lys Val Glu Glu Ile Ile Ser Trp Leu
165 170 175
Asp Asn Asn Gln Thr Ala Thr Lys Asp Glu Tyr Glu Ser Gln Gln Lys
180 185 190
Glu Leu Glu Arg Tyr Val Ser Phe Leu Ser Leu Leu Met Phe Thr
195 200 205

<210> 22199
<211> 189
<212> PRT
<213> A.fumigatus

<400> 22199
Asn Ile Pro Phe Lys Leu Leu Leu Leu Gly Leu Val Leu Val Leu Gly
1 5 10 15
Gly Ser Leu Val Val Val Glu Pro Ala Asp Asp Leu Phe Asp Leu Ala
20 25 30
Gly Asp Leu Leu Leu Ile Gly Ile Ala Asp Val Glu Leu Ala Phe Ala
35 40 45
Asp Gly Val Leu Glu Gly Val Gly Ile Arg Leu Gln Thr Val Leu Gly
50 55 60
Leu Asp Thr Gly Ser Leu Gly Leu Ile Leu Leu Leu Val Leu Leu Gly
65 70 75 80

```
Ile Ser Gln His Ala Leu Asn Leu Leu Leu Arg Lys Thr Ala Leu Val
                85                  90                  95
Val Gly Asp Gly Asp Leu Val Gly Leu Ala Gly Ala Leu Leu Asn Gly
            100                 105                 110
Arg Asn Val His Asp Thr Val Gly Ile Asp Ile Lys Gly Asp Leu Asn
        115                 120                 125
Leu Gly Asp Thr Thr Gly Gly Gly Arg Asn Ala Gly Lys Leu Glu Leu
    130                 135                 140
Thr Lys Glu Val Val Val Leu Gly Thr Ser Thr Leu Thr Leu Val Asp
145                 150                 155                 160
Leu Asp Gln His Thr Gly Leu Val Val Gly Val Gly Gly Glu Gly Leu
                165                 170                 175
Arg Leu Leu Ser Gly Asp Gly Cys Val Ala Leu Asp Tyr
            180                 185
```

<210> 22200
<211> 76
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (55)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22200

```
Leu Leu Ser Thr Ile Thr Ile Ser Lys Ser Thr Ile Ile Leu Ile Ile
1               5                   10                  15
Leu Ser Ile Phe Phe Thr Pro Ile Asn Ile Tyr Leu Lys Leu Thr Leu
            20                  25                  30
Tyr Leu Lys Lys Glu Val Ile Thr Ile Thr Met Leu Leu Ile Lys Ser
        35                  40                  45
Leu Asn Leu Ile Asn Tyr Xaa Leu Cys Phe Pro Ile Ile Ile Ile Ala
    50                  55                  60
Tyr Asp Phe Leu Leu Leu Ile Leu Val Arg Val Ile
65                  70                  75
```

<210> 22201
<211> 83
<212> PRT
<213> A.fumigatus

<400> 22201

```
His Tyr Phe Leu Arg Thr Pro Ser Gln Cys Asp Arg Ala Leu Ile Asn
1               5                   10                  15
Thr Lys Leu Ser Thr Glu Gln Glu Ala Ala Leu Ile Lys Tyr Ile Asn
            20                  25                  30
Ile Leu Ile Lys Leu Asp Ile Pro Leu Trp Leu Lys Ala Ile Ser Asn
        35                  40                  45
Thr Val Asn Ser Ile Leu Phe Tyr Gly His Thr Asp Pro Ile Thr Pro
    50                  55                  60
Pro Pro Leu Ile Ser Val His Trp Met Lys Cys Phe Leu Lys Tyr Tyr
65                  70                  75                  80
Leu Glu Tyr
```

<210> 22202
<211> 90
<212> PRT
<213> A.fumigatus

<400> 22202
Ala Pro Phe Ala Glu Asp Glu Lys Asn Gly Trp Lys Gln Ile Leu Thr
1 5 10 15
His Thr Ser Ile Ala Ile Asp Leu Leu Lys Lys Met Leu Val Ile Asp
20 25 30
Pro Asp Thr Arg Ile Ser Ala Gln Asp Ala Leu Arg His Pro Tyr Leu
35 40 45
Ala Pro Tyr His Asp Pro Thr Asp Glu Pro Val Ala Ser Gly Pro Phe
50 55 60
Asp Trp Ser Phe Asp Ser Ala Asp Phe Pro Lys Glu Thr Trp Lys Ile
65 70 75 80
Met Met Ser Val Phe Ala Phe Arg Leu His
85 90

<210> 22203
<211> 73
<212> PRT
<213> A.fumigatus

<400> 22203
Arg Arg Gln Arg Tyr Gly Val Gln Val Asp Val Trp Ser Ala Gly Cys
1 5 10 15
Ile Leu Ala Glu Met Leu Arg Gly Lys Pro Leu Phe Pro Gly Lys Asp
20 25 30
His Val His Gln Phe His Leu Ile Thr Asn Ile Leu Gly Asn Pro Pro
35 40 45
Asp Ala Val Ile Glu Lys Ile Thr Ser Lys Asn Val Ser Ala Leu Asp
50 55 60
Ser Pro Ser Gln Asp Ser Pro Pro His
65 70

<210> 22204
<211> 188
<212> PRT
<213> A.fumigatus

<400> 22204
Tyr Arg Tyr Ala Arg Cys Ser Ala Pro Gly Val Lys Glu Gln Tyr Thr
1 5 10 15
Arg Val Tyr Leu Asp Asp Thr Pro Trp Ala Gln Ser Thr Gln Ala Pro
20 25 30
Lys Gln Trp His Gly Ala Pro Leu Pro Thr Ile Arg Lys Ala Ile Gly
35 40 45
Ala Leu Gly Ser Pro Arg Ile Gly Arg Val Pro Gln Asp Met Val Met
50 55 60
Lys Leu Thr Ile Leu Arg Asp Leu Tyr Tyr Leu Asp Asp Glu Glu Glu
65 70 75 80
Ala Glu Arg Arg Tyr Gln Leu Gln Arg Pro Ser Gln Asp Asp Asp Tyr
85 90 95
His Tyr Gln Asp Ser Asp Glu Gly Asp Asp Asp Asn Gly Lys Glu Glu
100 105 110

Glu Glu Glu Glu Asp Glu Asp Ala Asp Asp Asp Asp Asp Asp Glu Thr
115 120 125
Glu Pro Gly Thr Lys Gly Gly Lys Arg Cys Pro Lys Trp Thr Lys Gln
130 135 140
Glu Ala Arg Tyr Pro Lys Arg Gln Arg Gln Arg Glu Ser Arg Phe Glu
145 150 155 160
Trp Asp Leu Gly Pro Asp Ala Thr Ala Glu Asp Ala Ile Arg Lys Phe
165 170 175
Gly Pro Val Leu Leu Gly Pro Gly Arg Arg Leu Lys
180 185

<210> 22205
<211> 152
<212> PRT
<213> A.fumigatus

<400> 22205
Pro Ile Pro Ala Pro Ser Ser Pro Leu His Ala Leu Trp Pro Ile Pro
1 5 10 15
Pro Thr His Ala Gly Gly Pro Arg Thr Thr Arg Ala Arg Asn Gly Arg
20 25 30
Gln Pro Ser Leu Gln Leu Pro Lys Arg Pro Gln Pro Pro Pro Pro Cys
35 40 45
Thr Ala Pro Pro Asp His Pro Arg Pro His Ala Ala Leu His Leu Arg
50 55 60
Ala Ala Arg Ala Ala Arg Pro Pro Leu Arg Pro Arg Leu Arg His Pro
65 70 75 80
Arg Arg Leu Pro Leu Pro Ser Leu Ala Thr Gly Arg Leu Val Pro Pro
85 90 95
His Pro Val Pro His Pro Gln Gly Gln Ala Ala Asp Ala Gly Gly Glu
100 105 110
Leu Asp Leu Arg Arg Pro Arg Pro Ser Ser Gln Leu Asp Ala Pro Ala
115 120 125
Pro Leu Leu Ala Arg Arg Leu Leu Ala Val Phe Phe Cys Leu Arg Ala
130 135 140
Leu Ala Arg Arg Gly Thr His Gly
145 150

<210> 22206
<211> 185
<212> PRT
<213> A.fumigatus

<400> 22206
Arg Arg Lys Thr Leu Leu Leu Leu Leu Gly Arg Gly Pro Trp Met Ala
1 5 10 15
Leu Asn Leu Pro Glu Asn Arg Glu Tyr Arg Ile Asp Phe Leu Gly Pro
20 25 30
His Asp Arg Tyr Leu Pro His His Leu Leu Cys Met Pro Cys Gly Arg
35 40 45
Tyr His Arg Arg Thr Gln Glu Gly His Glu Arg Leu Glu Pro Ala Thr
50 55 60
Val Val Asn Pro Leu Tyr Asn Cys Pro Asn Ala Arg Asn Pro Leu Leu
65 70 75 80
Pro Ala Pro Arg His Arg Ile Thr His Ala Arg Met Leu His Phe Thr
85 90 95

```
Phe Val Gln Leu Ala Leu Arg Ala His Arg Phe Gly Pro Ala Tyr Gly
            100                 105                 110
Ile Pro Val Asp Ser Leu Ser Arg Arg Trp Arg Arg Asp Gly Trp Ser
        115                 120                 125
His His Thr Arg Tyr His Ile His Lys Gly Arg Leu Leu Met Arg Val
    130                 135                 140
Val Ser Ser Thr Phe Ala Asp Pro Asp Leu Ala Pro Ser Ser Met Arg
145                 150                 155                 160
Leu Leu Leu Tyr Ser Arg Asp Asp Tyr Trp Pro Tyr Phe Ser Val Cys
                165                 170                 175
Ala His Trp Arg Asp Gly Glu Leu Met
            180                 185

<210> 22207
<211> 70
<212> PRT
<213> A.fumigatus

<400> 22207
Ala Tyr Ile Asn Lys Thr Ile Gln Gly Ile Leu Asn Glu Phe Cys Val
1               5                   10                  15
Val Tyr Leu Asp Asn Ile Leu Ile Tyr Ser Gln Met Glu Glu Glu Tyr
            20                  25                  30
Glu Trp Tyr Ile Lys Lys Val Leu Gln His Leu Asn Ser Ala Asn Leu
        35                  40                  45
Tyr Ala Lys Leu Leu Lys Tyr Lys Phe Tyr Lys Thr Glu Val Lys Phe
    50                  55                  60
Leu Ser Phe Leu Ile Gly
65                  70

<210> 22208
<211> 198
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (14),(126),(175)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22208
Gly Gly Arg Ile Phe Gln Pro Arg Gly Val Asn Asn Ser Xaa Glu Gln
1               5                   10                  15
Gly Leu Lys Asn Val Met Val Asn Tyr Asn Pro Glu Thr Val Ser Thr
            20                  25                  30
Asp Tyr Asp Glu Ala Asp Arg Leu Tyr Phe Glu Asn Ile Asn Leu Glu
        35                  40                  45
Thr Val Leu Asp Ile Tyr Gln Leu Glu Ser Ser Ser Gly Val Val Ile
    50                  55                  60
Ser Met Gly Gly Gln Thr Pro Asn Asn Ile Ala Leu Pro Leu His Arg
65                  70                  75                  80
Leu Asn Val Lys Ile Leu Gly Thr Ser Pro Glu Met Ile Asp Ser Ala
                85                  90                  95
Glu Asn Arg Tyr Lys Phe Ser Arg Met Leu Asp Arg Ile Gly Val Asp
            100                 105                 110
Gln Pro Ala Trp Lys Glu Leu Thr Ser Ile Glu Glu Ala Xaa Gly Phe
```

```
        115                 120                 125
Cys Asp Lys Val Cys Tyr Pro Val Leu Val Arg Pro Ser Tyr Val Leu
    130                 135                 140
Ser Gly Ala Ala Met Asn Thr Val Tyr Ser Glu His Asp Leu Ala Thr
145                 150                 155                 160
Tyr Leu Asn Gln Ala Ala Asp Val Ser Arg Glu His Pro Val Xaa Ile
                165                 170                 175
Thr Lys Tyr Ile Glu Asn Ala Lys Glu Ile Glu Asn Asp Ala Val Ala
            180                 185                 190
Arg Asn Arg Val Met Val
        195
```

<210> 22209
<211> 168
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (43),(155)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22209

```
Asn Ile Ser Gly Leu Val Glu Ile Gly Ser Lys Ile Val Leu Gly Ile
1               5                   10                  15
Asp Gly Val His Gly Ser Ser Arg Lys His Val Gly Gly Pro Asp Lys
            20                  25                  30
His Trp Val Ala Asp Leu Val Ala Glu Ser Xaa Gly Phe Phe Asp Ala
        35                  40                  45
Gly Lys Leu Leu Pro Gly Arg Leu Ile His Thr Asp Thr Val Lys His
    50                  55                  60
Ala Arg Glu Leu Val Thr Ile Leu Arg Ala Val Asn His Leu Arg Arg
65                  70                  75                  80
Gly Thr Gln Asn Leu Asp Ile Glu Ala Val Glu Gly Gln Gly Asp Val
                85                  90                  95
Val Arg Gly Leu Thr Ala His Arg Asn Asp His Ala Thr Arg Gly Leu
            100                 105                 110
Gln Leu Ile Asp Val Glu Asn Gly Phe Glu Val Asp Ile Phe Lys Val
        115                 120                 125
Gln Pro Val Ser Leu Ile Val Ile Gly Thr Asp Ser Phe Arg Val Ile
    130                 135                 140
Val Asp His Asp Ile Leu Glu Pro Leu Leu Xaa Gly Ile Ile His Ala
145                 150                 155                 160
Thr Arg Leu Glu Asp Thr Pro Pro
                165
```

<210> 22210
<211> 201
<212> PRT
<213> A.fumigatus

<400> 22210

```
Ala Arg Pro Lys Ala Ile Leu Ala Ser Gln Pro Ser Leu Pro Ser Ser
1               5                   10                  15
Asp Phe Thr Ala Gly Asp Val Arg Ser Ala Thr Phe Ala Ala Asn Gly
            20                  25                  30
```

```
His Ser Pro Met Thr Phe Gln Gly Pro Ser His Gln Tyr Glu Glu His
        35                  40                  45
Lys Gln Gln Thr Gly Leu Pro Pro Gly Ala Leu Ala Gln Ala Met Asn
    50                  55                  60
Phe Asn Gln Met Ala Gly Val Thr Phe Gly Asn Ala Ser Pro Ala Tyr
65                  70                  75                  80
Gln Met Asn Gly Asp Met Phe Ala Ser Ser His Met Lys Arg Glu Asp
                85                  90                  95
Thr Ser Phe Asp Phe Asn Asn Met Ser Ser Arg Asn Pro Ser Glu Met
            100                 105                 110
Asp Leu Glu Ser Asp Gly Met Gly Ala Ile Pro Tyr Tyr Leu Ser Pro
        115                 120                 125
Asn Val Ser Lys Asn Gln Phe Ile Asp Pro Asn Ala Leu Gly Gly His
    130                 135                 140
Glu Val Val Ser Ala Gly Pro Ser Thr Gln Val Gly Arg Met Tyr Pro
145                 150                 155                 160
Gly Met His Gln Gln Gln Ala Ala Met Ala Lys Ala Ala Gln Gln Gln
                165                 170                 175
Gln Lys Gln His Glu Met Leu Arg Gln Gln Gln Phe Gln Gln Val Phe
            180                 185                 190
Thr Thr Gly Leu Glu Gly Ala Ala Pro
        195                 200
```

<210> 22211
<211> 96
<212> PRT
<213> A.fumigatus

<400> 22211

```
Arg Lys His Lys Met Lys Leu Pro Phe Val Leu Phe Thr Ala Leu Tyr
1               5                   10                  15
Ala Ser Cys Ala Leu Ala Ala Ala Leu Pro Pro Asp His Val Asp Ala
            20                  25                  30
Asp Lys Ala Ile Leu Leu Leu Ala Asp Gly Thr Thr Lys Thr Ile Glu
        35                  40                  45
Lys Thr Asp Leu Ala Ser His Leu Asn Gly Thr Leu Leu Glu Ala Pro
    50                  55                  60
Thr Asp Asn Phe Pro Arg Ser Ile Lys Ser Val Asn Phe Asn Ser Leu
65                  70                  75                  80
Glu Ala Arg Gly Gly Arg Leu His His Gly Ala Gly Arg Ser Arg Thr
                85                  90                  95
```

<210> 22212
<211> 135
<212> PRT
<213> A.fumigatus

<400> 22212

```
Ile Ser Ile Gly Val Ser Gly Ala Pro Asp Pro Val His Val Glu Ile
1               5                   10                  15
Gln Gln Arg Ala Leu Pro Asn Ala Pro Asp Gly Tyr Thr Pro Ser Thr
            20                  25                  30
Val Gly Cys Pro Ala Ser Arg Pro Thr Ile Arg Ser Ala Ala Ser Leu
        35                  40                  45
Ser Pro Asn Glu Thr Ser Trp Leu Glu Thr Arg Arg Gly Lys Thr Thr
    50                  55                  60
```

```
Ser Ala Met Lys Asp Phe Phe Asn His Val Lys Ile Gln Asp Phe Asp
65                  70                  75                  80
Ala Ala Gly Tyr Ile Asp Arg His Ser Ser Asn Ser Ser Asp Leu Pro
                85                  90                  95
Asn Ile Gly Ile Ala Val Ser Gly Gly Gly Tyr Arg Ala Leu Met Asn
            100                 105                 110
Gly Ala Gly Ala Ile Lys Ala Phe Asp Ser Arg Thr Pro Ser Ser Pro
        115                 120                 125
Arg Gly Trp Lys Asp Ala Arg
    130                 135

<210> 22213
<211> 66
<212> PRT
<213> A.fumigatus

<400> 22213
Phe Tyr Leu Phe Thr Pro Ile Ile Gly Met Leu Ile Leu Phe Ile Arg
1               5                   10                  15
Val Asn Lys Ser Asn Leu Asn Leu Thr Asn Thr Met Val Val Asn Leu
            20                  25                  30
Ala Glu Val Ser Lys Tyr Leu Ser Ile Gln Ser Tyr Tyr Leu Leu Arg
        35                  40                  45
Ile Ile Val Arg Gln Asp Leu Lys Ser Asn Leu Leu Leu Thr Tyr Ile
    50                  55                  60
Ile Asn
65

<210> 22214
<211> 114
<212> PRT
<213> A.fumigatus

<400> 22214
Phe Arg Glu Lys Val Ile Asn Met Leu Leu Lys Met Val Asn Ile Glu
1               5                   10                  15
His Thr Ala Asn Thr Val Ile Gly Asn Gln Phe Ile Arg Gly Val Ser
            20                  25                  30
Gly Gly Glu Arg Arg Arg Val Ser Ile Ala Glu Met Met Ile Thr Ser
        35                  40                  45
Ala Thr Val Leu Ala Trp Asp Asn Ser Thr Arg Gly Leu Asp Ala Ser
    50                  55                  60
Thr Ala Leu Asp Phe Ala Lys Ser Leu Arg Ile Met Thr Asn Ile Tyr
65                  70                  75                  80
Lys Thr Thr Thr Phe Val Ser Leu Tyr Gln Ala Ser Glu Asn Ile Tyr
                85                  90                  95
Lys Gln Phe Asp Lys Val Leu Val Ile Asp Ser Gly Arg Gln Val Phe
            100                 105                 110
Leu Arg


<210> 22215
<211> 279
<212> PRT
<213> A.fumigatus
```

<400> 22215
Arg Asn Gln Pro Pro Asn Arg Arg Tyr His Arg Thr Ala Ala Ser Pro
1 5 10 15
Arg Ile Ser Ser Asn Ser Cys Pro Pro Pro Pro Pro Pro Pro Leu
20 25 30
Pro His Pro Pro Pro Pro Arg Pro Pro Ser Pro His Ala Pro Pro Pro
35 40 45
Pro Ala Pro Pro Pro Pro Pro Pro Pro Pro Pro His Pro Pro His Pro
50 55 60
Leu Leu Pro Pro Pro Pro Pro Leu Pro Pro Pro Ser Pro Thr Pro Ser
65 70 75 80
Ala Glu Ser Asn His Ala Gln Arg His Ala Leu Ile Ala Ile Pro Pro
85 90 95
Thr Ser Pro Pro Arg Pro Pro Pro Pro Pro Pro Ser His Ala Pro Pro
100 105 110
Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Arg Pro Pro Ala Pro Pro
115 120 125
Pro Pro Pro Pro Pro Pro Pro Pro Pro His Leu Pro Ser Pro Pro Pro
130 135 140
Pro Pro His Pro Pro Pro Pro Pro Arg His Pro Pro Leu Pro Pro Pro
145 150 155 160
Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro
165 170 175
Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Ala His Pro Pro Ser Pro
180 185 190
Pro Pro Pro Pro Pro Pro Pro Pro Ala Pro Pro Ala Pro Pro Pro Ser
195 200 205
Pro Pro Pro Pro Pro Pro Ala Pro Leu Pro Pro Pro Pro Pro Pro Gly
210 215 220
Pro Pro Pro Ala Pro Pro Thr Pro Pro Pro Pro Pro Pro Pro Pro Pro
225 230 235 240
Pro Pro Pro Pro Pro Pro Pro Pro Arg Pro Pro Pro Pro Pro Pro Ala
245 250 255
Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro
260 265 270
Pro Pro Arg Pro Pro Pro Pro
275

<210> 22216
<211> 146
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (8),(12),(13),(14),(15),(16),(17),(18),(19),(20),(21),(22)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22216
Ala Ser Glu Phe Leu Asp Arg Xaa Ser Asn Leu Xaa Xaa Xaa Xaa Xaa
1 5 10 15
Xaa Xaa Xaa Xaa Xaa Xaa Leu Ala Gly Leu Tyr Ile Pro Thr Ala Leu
20 25 30
Ala Leu Leu Leu Leu Ala Val Asn Ala Ser Thr Ser Ile Glu Val Lys
35 40 45
Leu Thr Leu Thr Met Leu Asn Asn Val Ile Asn His Arg Thr Ala Asp

```
    50                  55                  60
Thr Thr Glu Pro Pro Leu Arg Arg Glu Tyr His Arg Ile Leu Ala Pro
65                  70                  75                  80
Pro Pro Pro Pro His Pro Pro Ser Pro Thr Pro Pro Pro Pro Ala Pro
                85                  90                  95
Pro Pro Pro Thr Pro Pro Arg Pro Pro Pro Pro His Pro Pro Pro Arg
            100                 105                 110
Pro Pro His Thr Pro Pro Thr Arg Ser Ser Arg Leu Pro Pro Pro Ser
        115                 120                 125
Arg His Pro Pro Pro Pro Pro Pro Arg Asn Gln Thr Thr Arg Arg Asp
    130                 135                 140
Thr Arg
145
```

<210> 22217
<211> 187
<212> PRT
<213> A.fumigatus

<400> 22217

```
Ser Pro Ser Pro Pro Pro Pro Pro Pro Ala Pro Pro Pro Pro Pro Pro
1               5                   10                  15
Pro Thr Pro Pro Arg Pro Pro Pro Pro Pro His Arg Pro Pro Arg Ala
            20                  25                  30
Pro Pro Pro Pro Leu Pro Pro Pro Pro Pro His Pro Pro Pro Thr Ser
        35                  40                  45
Pro Pro Arg Pro Pro Pro Pro Thr Pro Pro Pro Pro Pro Ala Thr Pro
    50                  55                  60
Pro Cys Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro
65                  70                  75                  80
Arg Pro Pro Leu His Pro Leu Pro His Pro Pro Arg Pro Pro Pro Arg
                85                  90                  95
Thr Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro
            100                 105                 110
Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Leu Pro Pro Ser Pro Pro
        115                 120                 125
Pro Pro Pro Pro Ala Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro
    130                 135                 140
Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Ala Pro Pro Pro
145                 150                 155                 160
Pro Pro Pro Pro Pro Pro Pro Pro Pro Arg Pro Pro Pro Pro Pro Pro
                165                 170                 175
Pro Pro Pro Pro Pro Pro Pro Ala Pro Pro Pro
            180                 185
```

<210> 22218
<211> 277
<212> PRT
<213> A.fumigatus

<400> 22218

```
Ser Thr Thr Glu Pro Pro Ile Pro Pro Asn Arg Arg Phe Ala Ala Asn
1               5                   10                  15
Ile Ile Glu Phe Leu Pro Pro Pro Pro Pro Pro Thr Pro Pro Pro Pro
            20                  25                  30
Pro Pro Pro Pro Pro Pro Pro Leu Pro Pro Arg Pro Pro Ala Pro Arg
```

```
        35                  40                  45
Pro Pro Thr Pro Pro Pro Ala Pro Pro Thr Pro Pro Pro Pro Ala Pro
    50                  55                  60
Pro Ala Ser Pro Pro Pro Pro Ala Thr Leu Pro His Pro Leu Arg Gly
65                  70                  75                  80
Ile Lys Pro Arg Ala Glu Thr Arg Ala Asn Arg His Pro Pro His Leu
                85                  90                  95
Pro Pro Pro Pro Pro Pro Pro Pro Pro Leu Pro Arg Pro Pro Ala Pro
            100                 105                 110
Pro Pro Pro Pro Thr Ala Pro Pro Ala Pro Pro Arg Pro Pro Ser Pro
        115                 120                 125
Pro Pro Pro Pro Thr Pro Pro Pro Pro Pro Leu Pro Ala Pro Pro Pro
    130                 135                 140
Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Ala Pro Pro Pro Pro
145                 150                 155                 160
Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Ala Pro Pro Ser Thr Pro
                165                 170                 175
Ser Pro Thr Pro Pro Ala Pro Pro Arg Ala Pro Pro Leu Pro Pro Pro
            180                 185                 190
Pro Pro Pro Pro Pro Pro Arg Pro Pro Arg Pro Pro Pro Leu Pro Pro
        195                 200                 205
Pro Pro Pro Pro Cys Pro Pro Pro Pro Pro Pro Pro Pro Arg Pro Pro
    210                 215                 220
Pro Arg Pro Pro His Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro
225                 230                 235                 240
Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Arg Pro Pro
                245                 250                 255
Pro Pro Pro Ala Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro
            260                 265                 270
Pro Pro Pro Pro Pro
        275
```

<210> 22219
<211> 188
<212> PRT
<213> A.fumigatus

<400> 22219

```
Gly Gly Gly Gly Ala Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
1               5                   10                  15
Gly Gly Arg Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Ala Gly
            20                  25                  30
Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
        35                  40                  45
Gly Gly Gly Gly Gly Gly Gly Ala Gly Gly Gly Gly Gly Gly Glu Gly
    50                  55                  60
Gly Arg Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
65                  70                  75                  80
Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Val Arg Gly Gly Gly
                85                  90                  95
Arg Gly Gly Trp Gly Arg Gly Trp Arg Gly Gly Arg Gly Gly Gly Gly
            100                 105                 110
Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gln Gly Gly Val Ala Gly
        115                 120                 125
Gly Gly Gly Gly Val Gly Gly Gly Gly Arg Gly Gly Glu Val Gly Gly
    130                 135                 140
```

```
Gly Trp Gly Gly Gly Gly Gly Arg Gly Gly Gly Gly Ala Arg Gly Gly
145                 150                 155                 160
Arg Trp Gly Gly Gly Gly Gly Arg Gly Gly Val Gly Gly Gly Gly Gly
                165                 170                 175
Gly Gly Ala Gly Gly Gly Gly Gly Gly Asp Gly Asp
            180                 185
```

<210> 22220
<211> 276
<212> PRT
<213> A.fumigatus

<400> 22220

```
Gly Gly Gly Gly Arg Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
1               5                   10                  15
Gly Gly Gly Gly Gly Gly Gly Ala Gly Gly Gly Gly Gly Gly Arg Gly
            20                  25                  30
Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
        35                  40                  45
Val Gly Gly Ala Gly Gly Gly Pro Gly Gly Gly Gly Gly Gly Arg Gly
    50                  55                  60
Ala Gly Gly Gly Gly Gly Gly Glu Gly Gly Gly Ala Gly Gly Ala Gly
65                  70                  75                  80
Gly Gly Gly Gly Gly Gly Gly Gly Glu Gly Gly Cys Ala Gly Gly Gly
                85                  90                  95
Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
            100                 105                 110
Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Arg Gly Gly Trp Arg Gly
        115                 120                 125
Gly Gly Gly Gly Trp Gly Gly Gly Gly Gly Glu Gly Arg Trp Gly Gly
    130                 135                 140
Gly Gly Gly Gly Gly Gly Gly Gly Gly Ala Gly Gly Arg Gly Gly Gly
145                 150                 155                 160
Gly Gly Gly Gly Gly Gly Gly Gly Gly Ala Trp Glu Gly Gly Gly Gly
                165                 170                 175
Gly Gly Arg Gly Gly Glu Val Gly Gly Met Ala Ile Ser Ala Cys Leu
            180                 185                 190
Cys Ala Trp Phe Asp Ser Ala Glu Gly Val Gly Glu Gly Gly Gly Arg
        195                 200                 205
Gly Gly Gly Gly Gly Arg Ser Gly Trp Gly Gly Cys Gly Gly Gly Gly
    210                 215                 220
Gly Gly Gly Gly Gly Ala Gly Gly Gly Gly Ala Trp Gly Glu Gly Gly
225                 230                 235                 240
Arg Gly Gly Gly Gly Trp Gly Arg Gly Gly Gly Gly Gly Gly Gly Gly
                245                 250                 255
Gln Glu Phe Asp Asp Ile Arg Gly Glu Ala Ala Val Arg Trp Tyr Arg
            260                 265                 270
Arg Phe Gly Gly
        275
```

<210> 22221
<211> 285
<212> PRT
<213> A.fumigatus

<400> 22221

```
Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
1               5                  10                  15
Gly Ala Gly Gly Gly Gly Gly Arg Gly Gly Gly Gly Gly Gly Gly Gly
            20                  25                  30
Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
        35                  40                  45
Trp Gly Gly Arg Gly Gly Gly Arg Gly Gly Gly Gly Gly Gly Gly Gly
    50                  55                  60
Gln Gly Gly Gly Gly Gly Gly Arg Gly Gly Gly Arg Gly Gly Arg Gly
65                  70                  75                  80
Gly Gly Gly Gly Gly Gly Gly Gly Arg Gly Gly Ala Arg Gly Gly Ala
                85                  90                  95
Gly Gly Val Gly Glu Gly Val Glu Gly Gly Ala Gly Gly Gly Gly Gly
            100                 105                 110
Gly Gly Gly Gly Gly Gly Gly Gly Gly Ala Gly Gly Gly Gly Gly Gly
        115                 120                 125
Gly Gly Gly Gly Gly Gly Gly Gly Ala Gly Arg Gly Gly Gly Gly Gly
    130                 135                 140
Val Gly Gly Gly Gly Gly Glu Gly Gly Arg Gly Gly Ala Gly Gly Ala
145                 150                 155                 160
Val Gly Gly Gly Gly Gly Ala Gly Gly Arg Gly Arg Gly Gly Gly Gly
                165                 170                 175
Gly Gly Gly Gly Gly Arg Trp Gly Gly Trp Arg Leu Ala Arg Val Ser
            180                 185                 190
Ala Arg Gly Leu Ile Pro Arg Arg Gly Trp Gly Arg Val Ala Gly Gly
        195                 200                 205
Gly Gly Glu Ala Gly Gly Ala Gly Gly Gly Gly Val Gly Gly Ala Gly
    210                 215                 220
Gly Gly Val Gly Gly Arg Gly Ala Gly Gly Arg Gly Gly Arg Gly Gly
225                 230                 235                 240
Gly Gly Gly Gly Gly Gly Gly Gly Gly Val Gly Gly Gly Gly Gly Gly
                245                 250                 255
Lys Asn Ser Met Ile Phe Ala Ala Lys Arg Arg Phe Gly Gly Ile Gly
            260                 265                 270
Gly Ser Val Val Asp Tyr Val Ile Lys His Cys Gln Gly
        275                 280                 285
```

<210> 22222
<211> 181
<212> PRT
<213> A.fumigatus

<400> 22222

```
Val Val Thr His Cys Ala Ala Pro Ser Ala Pro Val Val Lys Thr Leu
1               5                  10                  15
Leu Ala Asn Ser Thr Phe Ala Asn His Pro Tyr Ala Gln Lys Gln Ile
            20                  25                  30
Met Glu Ala Cys Thr Ser Ile Leu Asn Asp Arg Phe Phe Ser Thr Ser
        35                  40                  45
Asp Gln Val Glu Asn Cys Ile Lys Pro Tyr Lys Phe Glu Ile Glu Val
    50                  55                  60
Glu Asp Pro Glu Trp Ala Lys Gly Arg Glu Asn Val Ser Arg Val Leu
65                  70                  75                  80
Lys Glu Glu Leu Lys Ala Cys Asp Ala Ala Tyr Arg Arg Val Glu Glu
                85                  90                  95
Ala Val Gly Lys Lys Lys Phe Lys Asp Val Met Ala Phe Val Asp Lys
```

```
            100                 105                 110
Val Arg Lys Gly Glu Val Val Leu Glu Gly Asp Gly Ala Ala Gly Ala
        115                 120                 125
Gly Gly Phe Ser Ser Ala Leu Leu Asn Lys Gly Met Leu Cys Leu Ser
    130                 135                 140
Gln Leu Thr Val Pro Ala Arg Val Leu Thr Lys Arg Thr Gly Arg Glu
145                 150                 155                 160
Gly Val Phe Leu Arg Asp Arg Ala Asp Leu Ile Lys Met Arg Leu Leu
                165                 170                 175
Ala Ile Arg Ser Lys
            180
```

<210> 22223
<211> 69
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (59)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22223

```
Phe Pro Arg Leu Ile Asn Asn Ser Ser Ser Val Asn Thr Phe Ala Lys
1               5                   10                  15
Ile Ile Ile Tyr Tyr Tyr Leu Val Asn Ser Leu Lys Pro Lys Leu Leu
            20                  25                  30
Ile Arg Thr Asn Ile Ile Tyr Asn Lys Gly Phe Met Leu Asn Phe Lys
        35                  40                  45
Phe Ser Ile Ile Val Leu Ser Ser Tyr Ile Xaa Ser Thr Gln Gly Pro
    50                  55                  60
Lys Ile Arg Ala Ser
65
```

<210> 22224
<211> 79
<212> PRT
<213> A.fumigatus

<400> 22224

```
Val Tyr Ala Phe Pro Val Asp Ser Ile Ser Asp Leu Leu Thr Asp Ile
1               5                   10                  15
Ser Ser Arg Met Gly Lys Gly Gly Ser Ser Gly Lys Asp Ala Leu Gly
            20                  25                  30
Ile Ala Glu Gly Asn Arg Met Ile Phe Asp His Val Ser Val Ser Trp
        35                  40                  45
Gly Arg Asp Glu Thr Phe Ser Ile Asn Gly Asp Ala Ser Asn Ile Thr
    50                  55                  60
Ser Ser Pro Arg Gly Trp Lys Asp Ala Gln Glu Arg Lys Gln Ser
65                  70                  75
```

<210> 22225
<211> 121
<212> PRT
<213> A.fumigatus

<400> 22225
Ala Ser Ile Ala Thr Ser Ile Ser Arg Ser Asn Asn Glu Pro Glu His
1 5 10 15
Thr Asn His Gln Gln Gln Gln Pro Thr Pro Thr Asn Asp Phe Asp Asp
20 25 30
His Leu Asn Asn Phe Pro Ser Pro Gln Thr Ile Ser Ser Phe Ile Pro
35 40 45
Ala Asp Leu Leu Arg Ile Asp Thr Asp Ser Phe Pro Asp Phe Ile Ser
50 55 60
Pro Asp Pro Asn Ile Ser Ser Val Pro Glu Leu Asp Val Asp Trp Thr
65 70 75 80
Asp Glu Leu Leu Gly Gly Thr Glu Leu Ser Ser Glu Tyr Pro Glu Thr
85 90 95
Gly Ser Val Ser His Ser His Gly Gly Ile Thr Gly Asp Leu Asp Arg
100 105 110
Asp Leu Gly Leu Ala Leu Asp Ser Tyr
115 120

<210> 22226
<211> 145
<212> PRT
<213> A.fumigatus

<400> 22226
Leu Thr Ile Ile Ile Asp Tyr His Tyr Cys His Ile Phe Leu Ser Phe
1 5 10 15
Leu Tyr Phe Val Trp Asn Asp Tyr Ser Leu Leu Gln Val Val Met Ala
20 25 30
Ser Ser Asp Ser Ala Thr Arg Pro Ser Phe Asn Ala Asp Gln Pro Asp
35 40 45
Ser Gln Ser Gln Leu Leu Gln Pro Glu Ser Thr Leu Thr Val Gly Gln
50 55 60
Ser Val Thr Leu Thr Leu Gly Asn Asp Ala Leu Val Ile Val Gly Glu
65 70 75 80
Gln Cys Leu Thr Ile His Ala Cys Met Ser Trp Leu His Ile Ala His
85 90 95
Thr Asn Gln Leu Leu Val Leu Leu Thr Asp Asp Arg Ser Thr Gln Lys
100 105 110
Pro Asp Arg Gly Cys Cys Gly Leu Leu Ser Asn Ser Ser Arg Phe Phe
115 120 125
Gln Tyr Ser Ser Phe Tyr Leu Val Asn Ile Ser Val Cys Leu Gly Tyr
130 135 140
Gln
145

<210> 22227
<211> 82
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (79),(81)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22227

```
Val Asp Asn Thr Glu Thr Lys Glu Thr Gln Ser Ile Ala Leu Tyr Asn
1               5                  10                  15
Ile Leu His Ala Glu Val Ser Ser Ala Gly Leu Thr Ile Thr Tyr Ala
            20                  25                  30
Asp Pro Val Thr Lys His Asp Val Thr Val Gly Arg Leu Ala Ile His
        35                  40                  45
His Cys Arg Arg Arg Gln Ser Lys Gly Arg Asn Ile Cys Gly Gln Gly
    50                  55                  60
Leu His Gln Gly Leu Glu Gly Ala Ala Leu Ser Gly Tyr Gln Xaa Ser
65                  70                  75                  80
Xaa Ser
```

<210> 22228
<211> 137
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (106),(107)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22228

```
Leu Gly Ser Phe Asp Pro Arg Gly Glu Asp Arg Ala Asp Tyr Ser Tyr
1               5                  10                  15
Leu Ser Gln Gln Leu Ala Ser Ala Thr Pro Ser Gly Thr Lys Lys Ser
            20                  25                  30
Glu Tyr Thr Pro Ala Asn Ser Ala Leu Gln Ser Cys Pro Pro Val Asn
        35                  40                  45
Gly Asp Trp Leu Ala Thr Ala Ser Pro Leu Pro Pro Ser Pro Asn Gly
    50                  55                  60
Asp Leu Cys Ser Cys Met Glu Glu Ser Leu Ser Cys Val Leu Lys Asp
65                  70                  75                  80
Thr Val Ser Gly Asp Gln Ile Glu Lys Leu Phe Gly Thr Val Cys Gly
                85                  90                  95
Tyr Asp Val Cys Glu Gly Val Asp Tyr Xaa Xaa Pro Ala Tyr Asn Pro
            100                 105                 110
Gln Thr Pro Pro Gly Gly Pro Pro Ser Met Glu Arg Thr Val Ser Ala
        115                 120                 125
Ala Pro Ser Ser Ser Cys Leu Met Pro
    130                 135
```

<210> 22229
<211> 68
<212> PRT
<213> A.fumigatus

<400> 22229

```
Ser Asn Tyr Ser Thr Met Leu Thr Leu Trp Phe Pro Arg Leu Ile Asn
1               5                  10                  15
Asn Ser Gly Ser Thr Asn Ala Phe Thr Lys Ile Thr Ile Tyr Tyr Tyr
            20                  25                  30
Leu Val Asn Ser Leu Lys Pro Lys Leu Leu Ile Arg Thr Asn Val Ile
        35                  40                  45
Tyr Ser Lys Gly Phe Met Leu Asn Phe Lys Tyr Ser Ile Ile Ile Ile
```

```
    50                  55                  60
Ser Ser Tyr Ser
65

<210> 22230
<211> 83
<212> PRT
<213> A.fumigatus

<400> 22230
Arg Ser Leu Leu Leu Val Tyr Leu Val Ser Lys Leu Ala Val Tyr Leu
1               5                  10                  15
Lys Thr Asp Leu Leu Ala Asn Tyr Asn Phe Ile Phe Asn Leu Leu Asp
            20                  25                  30
Gly Ser Thr Leu Asn Arg Ala Thr Ile Tyr Ile Tyr Ile Val Asn Tyr
        35                  40                  45
Lys Phe Ser Phe Ile Lys Val Cys Asn Lys Thr Pro Thr Leu Ile Ile
    50                  55                  60
Val Thr Tyr Tyr Ala Tyr Ile Gly Thr Ile Ser Asn Thr Asn Phe Ile
65                  70                  75                  80
Thr Ala Tyr


<210> 22231
<211> 277
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (29),(36),(68)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22231
Pro Gln Asn Ala Ile Glu Arg Arg Ser Arg Asn Cys Pro Pro Lys Val
1               5                  10                  15
Leu Ile Ser Ser Leu Leu Leu Ser Pro Pro Ile Leu Xaa Thr Met Thr
            20                  25                  30
Gly Pro Thr Xaa Ile Ser Ile Leu Gly Gln Glu Ser Ile Val Ala Asp
        35                  40                  45
Phe Gly Leu Trp Arg Asn Tyr Val Ala Lys Asp Leu Ile Ser Gly Cys
    50                  55                  60
Pro Ser Thr Xaa Tyr Val Leu Ile Thr Asp Thr Asn Ile Gly Ser Ile
65                  70                  75                  80
Tyr Thr Pro Gly Phe Gln Lys Ser Phe Glu Glu Ala Ala Ala Ser Val
                85                  90                  95
Ser Pro Ser Pro Arg Leu Leu Ile Tyr Asn Ala Pro Pro Gly Glu Val
            100                 105                 110
Ser Lys Ser Arg Gln Thr Lys Ala Asp Ile Glu Asp Trp Met Leu Ser
        115                 120                 125
Gln Ser Pro Pro Cys Gly Arg Asp Thr Val Val Ile Ala Leu Gly Gly
    130                 135                 140
Gly Val Ile Gly Asp Leu Thr Gly Phe Val Ala Ala Thr Tyr Met Arg
145                 150                 155                 160
Gly Val Arg Phe Val Gln Val Pro Thr Thr Leu Leu Ala Met Val Asp
                165                 170                 175
```

```
Ser Ser Ile Gly Gly Lys Thr Ala Ile Asp Thr Pro Leu Gly Lys Asn
            180                 185                 190
Leu Ile Gly Ala Ile Trp Gln Pro Ser Arg Ile Tyr Ile Asp Leu Glu
        195                 200                 205
Phe Leu Glu Thr Leu Pro Val Arg Glu Phe Ile Asn Gly Met Ala Glu
    210                 215                 220
Val Ile Lys Thr Ala Ala Ile Ser Ser Glu Glu Glu Phe Thr Ala Leu
225                 230                 235                 240
Glu Asp Asn Ala Glu Thr Ile Leu Ser Ala Val Arg Arg Glu Val Lys
                245                 250                 255
Pro Gly Gln Arg Arg Phe Gly Leu His His Gly Ala Gly Arg Ile Arg
            260                 265                 270
Gly Gly Ala Leu Asn
        275
```

<210> 22232
<211> 155
<212> PRT
<213> A.fumigatus

```
<400> 22232
Val Pro Ser Phe Val Lys Asp Cys Ala Ser Ile Leu Pro Val His Asn
1               5                   10                  15
Glu Phe Gln Pro Ser Ala Ser Leu Pro Asn Arg Gln Arg Arg Thr Pro
            20                  25                  30
Ala Gln Gly Gln Asn Ser Gly Gly Ala Pro Leu Ala Gly Pro Ser Gln
        35                  40                  45
Ser Phe Val Asp Pro Ser Tyr Asn Leu Ser Ser Gly Pro Glu Thr Val
    50                  55                  60
Gly Ser Gly Thr Asp Met Asp Leu Ser Pro Gly Phe Asp Asp Asn Gly
65                  70                  75                  80
Asn Pro Ile Ser Glu Gly Ser Thr Ser Ser Ala Val Lys Ser Ser Ser
                85                  90                  95
Asn Thr Ser Tyr Val Gly Ala Ser Ser Thr Ser Ser Pro Lys Val Arg
            100                 105                 110
Gln His Ser Pro Leu Asn Phe Ser Asn Arg Thr Pro Ser His Thr Leu
        115                 120                 125
Gly Ser Ser Glu Ser Val His Ala Pro Ser Gly Thr Ala Lys Ser Ser
    130                 135                 140
Pro Arg Gly Trp Lys Glu Pro Arg Ser Arg Ala
145                 150                 155
```

<210> 22233
<211> 137
<212> PRT
<213> A.fumigatus

```
<400> 22233
Thr Ser Gln Ala Pro Asp Leu His Tyr His Asp Gly Thr Tyr Tyr Leu
1               5                   10                  15
Tyr Tyr Ala Val Ser Ser Leu Gly Ser Gln Asn Ser Ala Ile Gly Val
            20                  25                  30
Ala Thr Ser Lys Thr Met Glu Ala Gly Ser Trp Thr Asp His Gly Thr
        35                  40                  45
Thr Gly Ile Glu Ser Thr Pro Ser Ser Pro Tyr Asn Thr Ile Asp Ala
    50                  55                  60
```

```
Asn Trp Ile Ala Val Gly Gly Thr Gln Tyr Val Asn Phe Gly Ser Tyr
65                  70                  75                  80
Trp Asn Asn Leu Phe Gln Val Glu Met Glu Asn Gly Leu Lys Val Lys
                85                  90                  95
Ser Gly Ala Thr Pro His Gln Ile Ala Tyr Asn Ala Ser Gly Ile His
            100                 105                 110
Arg Gln Glu Ala Ala Phe Met Phe Glu Arg Asn Asn Tyr Phe Tyr Leu
        115                 120                 125
Thr Phe Ser Gly Gly Ile Ala Leu Gly
    130                 135
```

<210> 22234
<211> 114
<212> PRT
<213> A.fumigatus

<400> 22234

```
Ser Ala Asp Pro Ser Thr Pro Val Val Lys Thr Thr Gln Arg Leu Tyr
1               5                   10                  15
His Arg Pro Arg Arg Gln Asp Gln Pro Leu Gly Met Leu Pro Phe Pro
            20                  25                  30
Phe Thr Ser Val Met Pro Pro Lys His Pro Arg Pro Pro Thr Cys Thr
        35                  40                  45
Thr Thr Met Gly His Thr Thr Ser Thr Thr Arg Phe Pro Arg Ser Ala
    50                  55                  60
Arg Lys Thr Arg Pro Leu Glu Leu Gln Pro Pro Arg Pro Trp Lys Arg
65                  70                  75                  80
Ala Ala Gly Pro Thr Thr Ala Arg Pro Ala Ser Ser Pro Arg Pro Pro
                85                  90                  95
Ala Arg Thr Thr Pro Ser Thr Pro Thr Gly Ser Pro Ser Ala Ala Pro
            100                 105                 110
Ser Thr
```

<210> 22235
<211> 83
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (83)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22235

```
Val Tyr Cys Gly Ala Val Ile Glu Leu Arg Cys Val Ile Gly Lys Ala
1               5                   10                  15
Tyr Arg Ile Leu Phe Phe Phe Lys Phe Lys Val Ser Phe Leu Asp Ile
            20                  25                  30
Tyr Ile Val Val Ser Glu Lys Arg Val Gln Val Pro Glu Ala Ile Tyr
        35                  40                  45
Arg Ile Ala Thr Ala Thr Arg Ala Leu Asp Thr Cys His Asn Ser Thr
    50                  55                  60
Val Cys Glu Val Leu Ile Cys Leu Cys Thr Ser Cys Arg Leu Asn Val
65                  70                  75                  80
Lys Asp Xaa
```

<210> 22236
<211> 60
<212> PRT
<213> A.fumigatus

<400> 22236
Ser Phe Gln Pro Arg Gly Glu Asp Thr Thr Ile Asp Lys Val Val Lys
1 5 10 15
Val Asn Val Phe Leu Ser Asp Met Asp Asn Phe Ala Asp Met Asn Ser
20 25 30
Val Tyr Met Gln Tyr Trp Gly Asp Val Lys Pro Cys Arg Thr Tyr Val
35 40 45
Thr Ser Arg Leu Cys Ile Pro Val Leu Trp Gly Ile
50 55 60

<210> 22237
<211> 132
<212> PRT
<213> A.fumigatus

<400> 22237
Gly Ile Phe Thr His Thr Thr Ser Met Ile Ser Gly Thr Leu Thr Glu
1 5 10 15
Ala Leu Glu Leu Asp Asn His Tyr Leu Arg Tyr His Ala Asp Lys Ala
20 25 30
Arg Arg Ile Lys Glu Arg Gly Thr Lys Cys Cys Lys Thr Ala Pro Glu
35 40 45
Ala Met Asp Gly Ala Ile Glu Leu Leu Glu Glu Leu Cys Val Pro Asn
50 55 60
Thr Leu Tyr Pro Asp Ser Ile Thr Gln Pro Tyr Thr Leu Ile Gln Tyr
65 70 75 80
Ser Thr Ser Tyr Leu Pro Glu Arg Tyr Pro Ser Met Phe Arg Lys Thr
85 90 95
Ala Thr Gly Ile Ala Asn Thr Ile Thr Gly Glu Ser Phe Asn Thr Thr
100 105 110
Gln Arg Pro Leu Pro Glu Asp Pro Met Thr Thr Cys Ala Arg Leu Ile
115 120 125
Gln Asp Asp Leu
130

<210> 22238
<211> 67
<212> PRT
<213> A.fumigatus

<400> 22238
Leu Ser Ala Asp Pro Trp Arg Leu Val Glu Lys Ile His Gln Ile Val
1 5 10 15
Arg Leu Thr Tyr Phe Ser Glu Asp Leu Ser Arg His Val Ile Val Gln
20 25 30
Val Ala Lys Ala Ile Glu Tyr Leu His Glu Thr Ser Gly Val Val His
35 40 45
Arg Tyr Val Pro Ser Asn Ile Ser Asp Leu Tyr Ile Tyr Ile Cys Asp
50 55 60

Asn Gln Tyr
65

<210> 22239
<211> 114
<212> PRT
<213> A.fumigatus

<400> 22239
Gln Pro Val Leu Ile Met Ser Leu Ser Ser Asp Ile Lys Pro Gln Asn
1 5 10 15
Leu Leu Phe Tyr Pro Ile Pro Phe Val Pro Ser Lys Asn Pro Arg Pro
20 25 30
Val Gln Pro Gly Asp Glu Glu Lys Val Asp Glu Gly Glu Phe Ile Pro
35 40 45
Gly Val Gly Ser Gly Gly Ile Gly Thr Ile Lys Ile Ala Asp Phe Gly
50 55 60
Leu Ser Lys Val Ile Trp Asp Ser Gln Thr Met Thr Pro Cys Gly Thr
65 70 75 80
Val Gly Tyr Thr Ala Pro Glu Ile Val Lys Asp Glu Arg Tyr Ser Lys
85 90 95
Ser Val Asp Met Trp Ala Leu Gly Cys Val Leu Tyr Thr Leu Leu Cys
100 105 110
Gly Phe

<210> 22240
<211> 117
<212> PRT
<213> A.fumigatus

<400> 22240
Ile Met Leu Thr Ala Thr Ala Ile Leu Gln Ala Leu Ala Leu Met Ser
1 5 10 15
Leu Val Gly Asn Ile Pro Leu Ser Leu Ser Glu Leu His Ala Leu Ser
20 25 30
Ser Asp Ile Leu Asp Leu Ala Gly Asp Thr Ser Val Asp Ala Ser Trp
35 40 45
Tyr Thr Lys Arg Leu Ser Val Ser Ala Ile Tyr Ala Ser Ala Glu Val
50 55 60
Phe Met Thr Arg Asp Ser Ser Pro Asp Leu Ser Ala Thr Gln Ala Phe
65 70 75 80
Val Asp Arg Arg Ile Glu Asp Asn Lys Tyr Ile Gly Asp Lys Ile Thr
85 90 95
Gly Ile Lys Gln Cys Leu Gly Phe Met Gly Phe Thr Ala Ile Gly Leu
100 105 110
Gly Gly Val Gly Val
115

<210> 22241
<211> 127
<212> PRT
<213> A.fumigatus

<400> 22241
Arg Ser Ser Lys Leu Gln Arg Leu Ala Lys Leu Leu Pro Asp Arg Leu

```
1               5                   10                  15
Ile Cys Asn Gly Lys Tyr Ser Pro Thr Gly Lys Ser Asn Arg Lys Lys
            20                  25                  30
Val Tyr Leu Ile Gln Cys Trp Asn Ser Thr Ser Asp Tyr Glu Ser Asn
        35                  40                  45
Ile His Ser Thr Tyr Ile Pro His Phe Ser Cys Ser Leu Tyr Pro Ser
    50                  55                  60
Arg Leu Asp Leu Gln Thr Pro Thr Pro Pro Ser Pro Ile Ala Val Lys
65                  70                  75                  80
Pro Met Lys Pro Arg His Cys Phe Ile Pro Val Ile Leu Ser Pro Ile
                85                  90                  95
Tyr Leu Leu Ser Ser Met Arg Arg Ser Thr Asn Ala Cys Val Ala Glu
            100                 105                 110
Arg Ser Gly Leu Glu Ser Arg Val Met Lys Thr Ser Ala Leu Ala
        115                 120                 125

<210> 22242
<211> 65
<212> PRT
<213> A.fumigatus

<400> 22242
Leu Met Gln Arg Tyr Arg Pro Leu Ser Ser Phe Phe Ile Lys Ser Thr
1               5                   10                  15
Ser Ala Thr Ala Gly Leu Asp Asn Ser Leu Ile Tyr Pro Phe Leu Ser
            20                  25                  30
Ile Leu Leu Arg Tyr Leu His Arg Ala Ser Ser Phe Ser Tyr Asn Ile
        35                  40                  45
Val Asn Arg Gly Leu Tyr Ser Ser Asn Phe Leu Leu Ser Ser Tyr Ile
    50                  55                  60
Leu
65

<210> 22243
<211> 102
<212> PRT
<213> A.fumigatus

<400> 22243
Phe Ile Met Pro Leu Gln Thr Tyr His His Thr Ser Ser Ile Lys Gly
1               5                   10                  15
Leu Ser Ser Ile Thr Thr Leu Ile Val Gly Ala Ser Glu Ser Ile Leu
            20                  25                  30
Val Asp Pro Pro Phe Leu Ile Pro Asp Ala Leu Ser Val Val Arg Trp
        35                  40                  45
Ile Lys Glu Thr Thr Glu Asn Pro Leu Lys Ala Val Phe Val Thr His
    50                  55                  60
His His Pro Asp His Phe Phe Ser Ala Asn Pro Ile Leu Asp Ala Phe
65                  70                  75                  80
Pro Ser Ala Lys Phe Tyr Ala Ala Ser Tyr Val Leu Glu Gly Ile Asn
                85                  90                  95
Arg Glu Tyr Asp Asp Lys
            100

<210> 22244
<211> 170
```

<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (106)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22244
Val Asn Gly Ser Gly Gln Leu Glu Asn Ser Gly Leu Pro Lys Lys Pro
1 5 10 15
Val Ser Lys Lys Ile Val Leu Pro Glu Phe Gly Phe Phe Lys Asn Pro
20 25 30
Ser Trp Phe His Lys Gln Arg Ala Tyr Ser Ser Trp Glu Gly Val Phe
35 40 45
Leu Phe Gly Ser Ser Ile Ile Ser Ser Lys Ala Gln Ala His Gly Val
50 55 60
Ser Thr Asn Trp Ser Tyr Gln Met Val Ala Phe Leu Asn Val Gly Ser
65 70 75 80
Val Leu Glu Glu Ala Ile Pro Gly Phe Ile Ala Asp Phe Pro Gly Arg
85 90 95
Phe Asn Ala Leu Ile Val Thr Val Ala Xaa Cys Phe Leu Cys Asn Ala
100 105 110
Cys Leu Trp Leu Pro Ala Ala Gly Asn Val Pro Leu Met Ile Val Tyr
115 120 125
Cys Val Ile Phe Gly Phe Ala Ser Gly Ser Asn Ile Ser Leu Thr Pro
130 135 140
Val Cys Ile Gly Gln Leu Cys Lys Ile Glu Asn Tyr Gly Arg Tyr Tyr
145 150 155 160
Ala Thr Ala Tyr Thr Ile Val Ser Phe Gly
165 170

<210> 22245
<211> 140
<212> PRT
<213> A.fumigatus

<400> 22245
Tyr Ser His Arg Asp Ser Asn Cys Trp Arg Asp Ser Gln Pro Leu Gln
1 5 10 15
Trp Arg Ile Leu Gly Ser Asp Cys Leu Tyr Asn Leu Leu Leu Cys Pro
20 25 30
Gly Ser Arg Met Arg His Cys Ser Glu Val Asn Ser Cys Trp Leu Ala
35 40 45
Ser Thr Val Gly Arg Leu Leu Asn Pro Leu Ser Phe Glu Cys Leu Phe
50 55 60
Arg Arg Leu Pro Ala Tyr Leu His Pro Lys Lys His Gln Lys Met Gln
65 70 75 80
Gln Gln Leu Gln Arg Glu Ile Asp Gly Ser Tyr Gly Arg Thr Ala Gly
85 90 95
Ser Gln Pro Thr Asp Lys Lys Asn Thr Arg Asp Pro Gln Asn Arg Asn
100 105 110
Leu Glu Asn Asn Phe Ser Ser Asn Tyr Ala Thr Gly Arg Arg Thr Arg
115 120 125
Ser Leu Val Gln Asp Asp Asp Glu Met Ile Gln Met
130 135 140

<210> 22246
<211> 62
<212> PRT
<213> A.fumigatus

<400> 22246
Trp Leu Thr Asp Ala Trp Ile Ser Thr Leu Thr Gly Ile Pro Ile Ala
1 5 10 15
Gly Glu Ile Leu Ser Arg Cys Asn Gly Glu Tyr Trp Gly Leu Ile Val
20 25 30
Phe Thr Thr Cys Cys Tyr Ala Leu Gly Leu Ala Cys Val Thr Ala Ala
35 40 45
Lys Leu Ile His Val Gly Trp Arg Gln Pro Trp Asp Val Tyr
50 55 60

<210> 22247
<211> 67
<212> PRT
<213> A.fumigatus

<400> 22247
Leu Met Gly Asp Ser Leu Pro Leu Asn Val Pro Glu Thr Pro Ala Phe
1 5 10 15
Gly Arg Glu Ala Phe Gln His Lys Ile Lys Leu Leu Val Glu Gly Val
20 25 30
Ala Tyr Asp Asp Thr Tyr Thr Leu Asn Thr Gln Ser Gly Thr Gln Trp
35 40 45
Asp Gly Phe Arg His Gly Leu His His Arg Gly Arg Arg Ile Arg Ala
50 55 60
Met Arg Ile
65

<210> 22248
<211> 68
<212> PRT
<213> A.fumigatus

<400> 22248
His Thr Pro His Pro Thr Thr Thr His Leu Pro Pro Pro Pro Pro Thr
1 5 10 15
Tyr Ser Pro Pro Pro Pro Pro Pro Thr Arg Ser Pro Leu Pro Thr Pro
20 25 30
Pro Pro Pro Pro Pro His Pro Pro Pro Pro Arg Ala Ser Pro Pro Pro
35 40 45
Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Thr Pro Pro Pro Arg Pro
50 55 60
Tyr Ile Phe Asp
65

<210> 22249
<211> 146
<212> PRT
<213> A.fumigatus

<220>

<221> UNSURE
<222> (66)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22249
Ile Leu Thr Thr Pro Pro Pro Pro Arg Ala Ile Leu Pro Pro Pro Tyr
1 5 10 15
Gly Pro His Pro Pro Ala Gln Pro Arg Pro Tyr His Ala Thr Pro Pro
20 25 30
Arg Pro Pro Pro Ser Pro Thr Gln Ser Pro Leu His Pro Gln Pro Leu
35 40 45
Thr Tyr Glu Tyr Pro Tyr Ser Ile Thr Pro Thr Pro Pro Pro Leu Leu
50 55 60
Glu Xaa Glu Ala Ser Thr Pro Ala Leu Lys Pro His Pro Pro Leu Thr
65 70 75 80
His Ser Pro Pro Asn His His Pro Pro Ala Pro Pro Pro Pro His Leu
85 90 95
Leu Pro Pro Pro Ala Pro Pro Tyr Pro Leu Pro Pro Pro His Pro Pro
100 105 110
Pro Pro Thr Pro Pro Pro Ala Pro Pro Pro Arg Leu Pro Pro Pro Pro
115 120 125
Pro Pro Pro Pro Pro Pro Pro Pro Pro His Pro Pro Pro Thr Ala Leu
130 135 140
Tyr Leu
145

<210> 22250
<211> 64
<212> PRT
<213> A.fumigatus

<400> 22250
Tyr Trp Ser Tyr Ser Ile Cys Leu Phe Lys Trp Ile Glu Arg Cys Ile
1 5 10 15
Met Leu Ser Leu Val Thr Leu Leu Ser Gly Thr Ala Gly Leu Ala Leu
20 25 30
Thr Ala Ser Ala Gln Tyr Phe Pro Pro Thr Pro Glu Gly Leu Lys Val
35 40 45
Val His Ser Lys His Gln Glu Gly Val Lys Ile Ser Tyr Lys Glu Val
50 55 60

<210> 22251
<211> 64
<212> PRT
<213> A.fumigatus

<400> 22251
Leu Thr Thr Asn Asn Gln Asp Thr Ile Ser Ile Gly Val Ser Leu Phe
1 5 10 15
Phe Leu Asp Tyr Lys Tyr Asn Ile Lys Leu Leu Lys Val Lys Leu Leu
20 25 30
Asp Tyr Lys Gly Ala Thr Ile Asp Ile Ala Tyr Leu Leu Lys Lys Lys
35 40 45
Ala Lys Val Ile Ile Thr Lys Ile Lys Glu Ala Ile Asn Ile Ala Val
50 55 60

<210> 22252
<211> 79
<212> PRT
<213> A.fumigatus

<400> 22252
Ile Asn Pro Leu Gly Arg Ile Asp Leu Val Leu Leu Tyr Ser Arg Gly
1 5 10 15
Ala Ile Leu Val Thr Ile Leu Phe Phe Thr Val Met Pro Arg Lys His
20 25 30
Pro Ser Asn Thr Glu Val Trp Arg Arg Tyr His Asn Asn Thr Gly Gly
35 40 45
Trp Ser Asp Gly Val Cys Phe Val Ile Gly Leu Ile Asn Pro Ala Phe
50 55 60
Ser Val Gly Val Pro Asp Cys Ile Thr His Leu Ser Glu Glu Gly
65 70 75

<210> 22253
<211> 181
<212> PRT
<213> A.fumigatus

<400> 22253
Gln Cys Phe Tyr Ile Val Met Lys Pro Gln Ile Arg Val Pro Gln Gly
1 5 10 15
Thr Met Leu Gln Met Leu Thr Ala Phe Val Thr Thr Phe Val Tyr Leu
20 25 30
Ile Ala Leu Leu Tyr Ser Ile Glu Asn Leu Asp Thr Val Leu His Ser
35 40 45
Glu Phe Ser Ser Phe Pro Thr Ala Glu Ile Tyr Arg Gln Ala Thr Gly
50 55 60
Ser Arg Gln Gly Ala Val Gly Leu Val Ala Val Leu Phe Val Thr Ala
65 70 75 80
Phe Pro Thr Leu Val Gly Val Tyr Ile Thr Gly Gly Arg Met Trp Trp
85 90 95
Ser Leu Ala Arg Asp Lys Ala Thr Pro Phe Ala Ser Tyr Phe Ser Asn
100 105 110
Val His Pro Thr Gln Lys Asn Pro Val Arg Ala Thr Val Ala Met Ala
115 120 125
Gly Met Val Ser Phe Leu Gly Cys Ile Tyr Ile Ser Ser Thr Thr Ala
130 135 140
Phe Gln Ala Leu Leu Ser Ser Tyr Val Val Leu Ser Thr Leu Ser Tyr
145 150 155 160
Leu Gly Ala Ile Leu Pro His Val Leu Thr Gly Arg Ser Ser Pro Arg
165 170 175
Gly Trp Lys Asp Pro
180

<210> 22254
<211> 91
<212> PRT
<213> A.fumigatus

<400> 22254
Asn Pro Glu Cys Lys Trp Ile Arg Ser Gln Cys Phe Ser Gln Gly Pro
1 5 10 15

```
Asn Ser Ala Ser Gln Asn Lys Ile Pro Ser Leu Arg Glu Gln Trp Asp
            20                  25                  30
Cys Ala Lys Phe Val Leu Leu Ser His Phe Thr Val Glu Leu Pro Gln
        35                  40                  45
Ile Trp Leu Val Ser Gln Phe Asp Arg Ala Pro Trp Tyr Val Ser Asn
    50                  55                  60
Ser Met Ser Ala Gly Phe Ser Thr Pro Trp Leu Asn Ser Ser Val Cys
65                  70                  75                  80
Leu Arg Arg Phe Leu Phe Pro Pro Phe Gly Pro
                85                  90
```

<210> 22255
<211> 165
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (113)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22255

```
Gln Tyr Val Arg Arg Leu Phe His Pro Met Ala Gln Phe Phe Gly Leu
1               5                   10                  15
Ser Thr Ser Val Pro Phe Pro Ser Val Trp Thr Met Met Tyr Gln Ile
            20                  25                  30
Ala Ile Phe Phe Val Leu Glu Asp Thr Trp His Tyr Phe Ser His Arg
        35                  40                  45
Ala Leu His Trp Gly Pro Leu Tyr Lys Ala Ile His Lys Ile His His
    50                  55                  60
Gln Tyr Ser Ala Pro Phe Gly Met Ala Ala Glu Tyr Ala Ser Pro Ile
65                  70                  75                  80
Glu Val Met Ile Leu Gly Phe Gly Thr Val Gly Cys Pro Ile Leu Trp
                85                  90                  95
Cys Ala Leu Thr Gly Glu Leu His Ile Phe Thr Met Tyr Val Trp Ile
            100                 105                 110
Xaa Leu Arg Leu Phe Gln Ala Ile Asp Ala His Ser Gly Tyr Glu Phe
        115                 120                 125
Pro Trp Ser Leu His His Phe Leu Pro Phe Trp Ala Gly Ala Asp His
    130                 135                 140
His Asp Leu His His Glu Glu Ile Cys Arg Gln Leu Phe Arg Val Thr
145                 150                 155                 160
Ser Gly Gly Trp Glu
                165
```

<210> 22256
<211> 65
<212> PRT
<213> A.fumigatus

<400> 22256

```
Arg His Pro Glu Asp Glu Ser Phe Arg Ile Arg Thr Pro Ala Asp Ser
1               5                   10                  15
Val Ile Gly Pro Ile Ala Asp Ser Ala Thr Ala Leu Arg His Val Arg
            20                  25                  30
Leu Phe Val Asp Phe Met Asp Ile Glu Thr Ile Pro Leu Trp Lys Arg
```

```
        35                  40                  45
Ala Ala Gly Thr Thr Gln Arg Lys Ile Ala Phe Ala Asp Leu Trp Ile
    50                  55                  60
Ser
65
```

<210> 22257
<211> 244
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (2)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22257

```
Met Xaa Met Lys Ser Val Glu Arg Ala Ser Phe Gln Pro Arg Gly Glu
1               5                  10                  15
Asp Tyr Met Asn Asn Gln Asp Glu Met Trp Ser Ser Asp Pro Ser Asp
            20                  25                  30
Gln Cys Leu Leu Asp Ser Ser Asp Pro Thr Asp Pro Leu Ala Phe Val
        35                  40                  45
Asn Ala Thr Cys Arg Gln Gly Asn Met Pro Ser His Tyr Leu Glu Val
    50                  55                  60
His Ser Ala Lys Asp Val Ile Glu Ala Phe Arg Tyr Ser Asn Cys Ser
65                  70                  75                  80
Gly Gln Arg Leu Val Ile Lys Asn Ser Gly His Asp Tyr Leu Thr Arg
                85                  90                  95
Ser Ser Gly Arg Gly Thr Leu Ala Leu Trp Thr Arg Asn Leu Arg Ser
            100                 105                 110
Ile Arg Tyr Asp Pro Ala Phe Val Pro Ser Gly Cys Lys Arg Thr Gly
        115                 120                 125
Leu Lys Tyr Lys Ala Ile Thr Val Gly Ala Gly Val Asn Phe Asp Glu
    130                 135                 140
Ala Tyr Ala Phe Ala Gln Gln His Asn Val Thr Ile Leu Gly Gly Tyr
145                 150                 155                 160
Ser Ser Thr Val Gly Leu Ser Gly Gly Trp Val Leu Asn Gly Gly His
                165                 170                 175
Ser Ile Leu Ser Pro Val Tyr Gly Leu Gly Val Asp Arg Val Leu Glu
            180                 185                 190
Phe Lys Val Val Thr Pro Asp Gly Val Phe Arg Thr Ala Asn Glu Tyr
        195                 200                 205
Gln Asn Ala Asp Leu Phe Trp Ala Leu Arg Gly Gly Gly Gly Gly Thr
    210                 215                 220
Phe Gly Val Val Leu Glu Ser Thr His Arg Val Glu Pro Ala Val Arg
225                 230                 235                 240
Phe Val Ser Ala
```

<210> 22258
<211> 116
<212> PRT
<213> A.fumigatus

<400> 22258

```
Leu Val His Val Pro Asn His Pro Ala Pro Thr Arg Gly Ser Val Trp
1               5                  10                  15
Val Arg Val Leu Pro Leu Ile Ala Glu Asn Gln Trp Leu His Leu Ser
            20                  25                  30
Leu Ile Thr Asp Leu Lys Lys Ala Cys Lys Glu Val Phe Pro Val Ala
        35                  40                  45
Glu Tyr Ala Tyr Thr Thr Ile Pro Thr Tyr Pro Ser Gly Gln Ile Gly
    50                  55                  60
Phe Met Val Cys Cys Lys Asp Ala Thr Arg Asn Val Arg Glu Pro Val
65                  70                  75                  80
Arg Thr Trp Ser Arg Glu Glu Glu Glu Arg Leu Cys Arg Tyr Tyr Asn
                85                  90                  95
Gln Asp Ile His Arg Ala Ser Phe Val Leu Pro Asn Phe Ala Arg Lys
            100                 105                 110
Ala Leu Asp Val
        115
```

<210> 22259
<211> 104
<212> PRT
<213> A.fumigatus

<400> 22259

```
Phe His Phe Leu Val Ser Cys Leu Arg Leu Asp Glu Ser Leu Phe Leu
1               5                  10                  15
Phe Lys Cys Phe Tyr Lys Ser Tyr Leu Pro Met Val Trp Trp Glu Leu
            20                  25                  30
Leu Leu Asp Leu Glu Asp Gln Asn Lys Ile Met Cys His Asn Val Val
        35                  40                  45
Val Val His Cys Ala Tyr Lys Gly Ser Ser Val Trp Lys Thr Gly Ser
    50                  55                  60
Lys Ser Asn Ile Ile Arg Thr Ser Phe Ser Leu Ser Asn Tyr Ile Tyr
65                  70                  75                  80
Met Leu Thr Val Ser Leu Ile His Thr Ser Arg Ala Leu Arg Ala Lys
                85                  90                  95
Leu Gly Arg Thr Lys Leu Ala Arg
            100
```

<210> 22260
<211> 65
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (58)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22260

```
Thr Leu Val Asn Asp His Ser Asp Leu Gln Gly Asp Ala Asp Thr Ile
1               5                  10                  15
Glu Tyr Thr Ile Leu His Thr Glu Phe Tyr Arg Gly Arg Ala Gln Pro
            20                  25                  30
Gly Met Leu Ile Ile Trp Leu Arg Leu Thr Tyr Val Leu Leu Trp Arg
        35                  40                  45
Leu Gly Met Ser Gly Ile Trp Ala Arg Xaa Asn Lys Cys Asp Phe Gly
```

50 55 60
Pro
65

<210> 22261
<211> 173
<212> PRT
<213> A.fumigatus

<400> 22261
Trp Leu Gly Ser Phe Gln Pro Arg Gly Glu Asp Val Leu Ala Cys Arg
1 5 10 15
Val Leu Gly Pro Val Cys Gly Ser Leu Leu Phe Ala Phe Phe Asp Asp
20 25 30
Leu Asn Cys Val Asp Ser Leu Val Ala Val Gly Glu Leu Leu Lys Val
35 40 45
Leu Ala Ser Leu Arg Ile Ala Asp Cys Leu Gly Pro Leu Thr Lys Val
50 55 60
Ala Val His Gln Phe Phe His Leu Leu Phe His Leu Ser Ala Asn Pro
65 70 75 80
Gln Leu Val Val Asp Asp His Leu Ser Gln Ile Val Asp Thr Ala Gly
85 90 95
Glu Val Leu Asp Pro Pro Gly Ser Pro Leu Lys Phe Val Cys Arg Ser
100 105 110
Asn Ile Glu Tyr Glu Ile Ser Ile Asn Asp Arg Asn Asp Phe Leu Arg
115 120 125
Arg His Ile Phe Arg Lys Gln Phe Arg Met Pro Gly Phe Gly Thr Ser
130 135 140
Ile Ala Thr Asn Glu Asn Val Ile Ser Leu Leu Gly Cys Asn Gln Ser
145 150 155 160
Glu Thr Asp Arg Lys Leu Ala Ala Cys Ser Phe Ile Val
165 170

<210> 22262
<211> 61
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (16)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22262
Leu Val Lys Trp Arg Lys Lys Ser Thr Phe Tyr Cys Arg Ile Thr Xaa
1 5 10 15
Gly Gln Arg Ile Asp Leu Phe Gly Ala Lys Lys Gln Asp Phe Phe Asp
20 25 30
Ile Trp Thr Lys Leu Val Asp Ala Glu Met Glu Ser Gly His Ala Tyr
35 40 45
Ala Lys Ser Leu Arg Thr Ile Lys Val Leu Pro Pro Val
50 55 60

<210> 22263
<211> 105
<212> PRT

<213> A.fumigatus

<400> 22263
Leu Val Trp Cys Gln Glu Ala Arg Phe Phe Arg His Leu Asp Glu Ala
1 5 10 15
Arg Gly Arg Gly Asn Gly Glu Trp Ser Cys Leu Cys Gln Val Ala Pro
20 25 30
Asn Asn Gln Gly Thr Ala Ala Arg Leu Arg Leu Ser Phe Leu Ala Asp
35 40 45
Val Phe Tyr Gln Ser Cys Val Gly Thr Thr Trp Cys Arg Phe Gly Ile
50 55 60
Gly Asp Ser Val Gly Met Ala Ile Arg Leu Glu Glu Arg Tyr Lys Ser
65 70 75 80
Ile Arg Ser Pro His Lys Leu Lys Gly Ala Val Ser Gly Cys Val Arg
85 90 95
Glu Cys Ala Glu Ala Gln Asn Lys Glu
100 105

<210> 22264
<211> 165
<212> PRT
<213> A.fumigatus

<400> 22264
Phe Pro Ile Ser Phe Gly Leu Ile Ala Thr Glu Lys Gly Tyr Asn Ile
1 5 10 15
Phe Val Gly Gly Asn Gly Gly Ala Lys Pro Arg His Ser Glu Leu Leu
20 25 30
Ala Lys Asp Val Pro Pro Glu Lys Val Ile Pro Ile Ile Asp Arg Tyr
35 40 45
Leu Ile Phe Tyr Ile Arg Thr Ala Asp Lys Leu Gln Arg Thr Ala Arg
50 55 60
Trp Ile Glu Asn Leu Pro Gly Gly Ile Asn Tyr Leu Arg Glu Val Ile
65 70 75 80
Ile Asp Asp Lys Leu Gly Ile Gly Ala Glu Met Glu Gln Gln Met Glu
85 90 95
Glu Leu Val Asn Ser Tyr Phe Cys Glu Trp Thr Glu Thr Val Arg Asn
100 105 110
Pro Lys Arg Arg Lys Tyr Phe Gln Gln Phe Ala Asn Ser Asp Glu Thr
115 120 125
Val Asp Thr Val Glu Val Ile Lys Glu Arg Glu Gln Gln Arg Pro Thr
130 135 140
Tyr Trp Pro Lys Asp Ser Ala Gly Glu Asp Val Phe Thr Thr Gly Leu
145 150 155 160
Glu Gly Ala Glu Pro
165

<210> 22265
<211> 92
<212> PRT
<213> A.fumigatus

<400> 22265
Ala Leu Ile Cys Tyr Leu Arg Ala Arg Arg Glu Asp Ile Gln Leu Asn
1 5 10 15
Ser Ser Gly Phe Gln Gln Pro Asn Gly Gln Gly Val Val Ser Arg Ala

```
            20                  25                  30
Ile Pro Glu Thr Pro Leu Glu Tyr Asn Leu Phe Ile Thr Asn Leu Ala
        35                  40                  45
His Gly Lys His Gln Ser Arg Val Ser Glu Thr His Leu Asp Glu Cys
    50                  55                  60
Ala Ser Arg Ala Lys Asn Ile Glu Thr Ala Ile Gln Ala Trp Leu Gly
65                  70                  75                  80
Pro Cys Gly Val Glu Asn Asn Ile Gly Pro Ile Phe
                85                  90
```

<210> 22266
<211> 185
<212> PRT
<213> A.fumigatus

<400> 22266

```
Ser Leu Arg Asp Gly Ala Leu Val Glu Pro Leu Ser Val Ala Val His
1               5                   10                  15
Ala Cys Arg Leu Ala Gly Asp Met Gln Asn Lys Ser Val Val Val Phe
            20                  25                  30
Gly Ala Gly Pro Val Gly Leu Leu Cys Cys Ser Val Ala Ser Ala Phe
        35                  40                  45
Gly Ala Ala Lys Val Val Ala Val Asp Val Val Lys Thr Arg Leu Ala
    50                  55                  60
Thr Ala Thr Lys Tyr Gly Ala Thr His Arg Tyr Glu Met Asp Ala Glu
65                  70                  75                  80
Lys Lys Asn Ala Glu Glu Leu Ser Ala Thr Ala Ala Leu Glu Asp Gly
                85                  90                  95
Ala Asp Ile Ile Leu Asp Ala Thr Gly Ala Glu Pro Cys Leu Asn Cys
            100                 105                 110
Gly Leu Asp Ile Leu Arg Ser Gly Gly Thr Phe Val Gln Val Gly Leu
        115                 120                 125
Gly Asn Pro Thr Leu Met Phe Pro Val Gly Gln Val Cys Asp Lys Glu
    130                 135                 140
Val Val Phe Lys Gly Ser Phe Arg Tyr Gly Pro Gly Asp Tyr Ala Leu
145                 150                 155                 160
Ala Ile Gly Leu Leu Glu Ser Arg Arg Val Gln Leu Asp Val Phe Thr
                165                 170                 175
Pro Gly Ser Lys Ile Thr Tyr Glu Cys
            180                 185
```

<210> 22267
<211> 121
<212> PRT
<213> A.fumigatus

<400> 22267

```
Asn Lys Glu Asp Ala Gly Val Leu Met Glu Gln Lys Ala Ala Leu Glu
1               5                   10                  15
Lys Arg Lys Lys Glu Ala Glu Glu His Ala Ser Glu Gln Glu Ser Arg
            20                  25                  30
Arg Asp Arg Lys Ile Arg Thr Ile Gly Asn Tyr Val His Glu Ser Val
        35                  40                  45
Pro Val Ser Asn Asn Glu Val Gly Tyr Leu Ser Arg Ser Cys Tyr Trp
    50                  55                  60
His Arg Lys Leu Ile Cys Leu Lys Asp Asp Asn Val Val Val Arg Thr
```

65 70 75 80
Trp Ala Pro Glu Asn Val Phe Val Glu Lys Arg Asn Cys Leu Ser His
85 90 95
His Glu Val Leu Thr Arg Leu Asp Gly Tyr Asp Ser Glu Arg Gly Val
100 105 110
Lys Ile Val Ala Ile Val Asp Phe Val
115 120

<210> 22268
<211> 262
<212> PRT
<213> A.fumigatus

<400> 22268
Arg His Phe Arg Asp Gly Asn Tyr Phe Tyr Gln Ile Ser Ser Glu Tyr
1 5 10 15
Arg Val Ala Arg Pro Glu Ser Arg Gly Ser Trp Phe Pro Gln Lys Lys
20 25 30
Pro Asp Lys Gln Val Pro Ser Thr Gly Ala Ser Glu Asn Pro Arg Asp
35 40 45
Ser Ala Val Asn Gly His Ser Arg Ser Glu Ser Val Glu Thr Pro Ala
50 55 60
Thr Pro Ser Lys Ser Lys Asn Lys Ala Thr Ile Met Leu Ser Lys Met
65 70 75 80
Met Lys Tyr Asp Val Asp Pro Arg Lys Arg Ser Asn Arg Pro Glu Val
85 90 95
Ile Asp Leu His Tyr Asp Arg Leu His Asn Pro Asp Asn Cys Phe His
100 105 110
Ile Glu Leu Ser Trp Met Asn Thr Thr Pro Lys Leu Ile Glu Asp Ala
115 120 125
Val Leu Ser Trp Ala Ala Thr Ala Glu Lys Leu Asp Ser Ser Ser Ala
130 135 140
Arg Trp Gln Ile Ala Lys Ala Cys Arg Ser Ala Arg Arg Asn Leu Leu
145 150 155 160
Gly Ser His Ile Glu Ala Tyr Ser Gln Phe Gln Leu Leu Arg Ala Pro
165 170 175
Val Pro Gln Val Ser Ile Pro Val Pro Phe Cys Asn Trp Ala Tyr Arg
180 185 190
Thr Asp Ile Thr Thr Asn Lys Leu Cys Leu Arg Asn Leu Ile Leu Val
195 200 205
Trp Thr Ser Lys Gln Arg Ser Ala Phe Pro Ala Asp Val Glu Val Ala
210 215 220
Tyr Ser Trp Gly Thr Ala Asp Tyr Gln Tyr Pro Glu Tyr Ile His Arg
225 230 235 240
Ser Gly Ser Phe Leu Val Gln Ile Thr Asp Gln Gly Asp Ser Leu Val
245 250 255
Phe Gly Gln Pro Asn Leu
260

<210> 22269
<211> 109
<212> PRT
<213> A.fumigatus

<400> 22269
Pro Pro Leu Lys Arg Leu Cys His Phe Val Val Lys Thr Gln Phe Asp

```
1               5                   10                  15
Tyr Leu Ile Arg Leu Asp Trp Arg Tyr Ser Leu Ala Tyr Leu Leu Ser
            20                  25                  30
Ser Leu Phe Leu Arg Leu Asp Ser Leu Ser Leu Phe Ala Met Leu Thr
        35                  40                  45
Phe Leu Leu Leu Leu Phe Phe Phe Pro Ala Ala Leu Cys Ser Phe Phe
    50                  55                  60
Phe Leu Ser Ser Phe Leu Leu Phe Val Leu Pro Phe Leu Ser Cys Ser
65                  70                  75                  80
Leu Phe Phe Cys Ser Leu Pro Ser Ser Arg Gly Leu Ser Ala Ser Pro
                85                  90                  95
Leu Leu Asp Phe Leu Arg Leu Cys Leu Ser Leu Ala Asp
            100                 105
```

<210> 22270
<211> 103
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (96),(100)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22270

```
Ser Pro Pro Arg Pro Ser Phe Phe Arg Val Gly Ala Phe Leu Val Ser
1               5                   10                  15
Arg Phe Asp Gly Asp Leu Asp Phe Phe Asp Val Arg Phe Leu Ser Ser
            20                  25                  30
Gly Phe Ser Leu Asp Leu Ala Gly Phe Ser Leu Ala Asp Leu Cys Cys
        35                  40                  45
Leu Ser Phe Phe Ala Ala Val Leu Ser Val Pro Asp Asp Phe Val Ala
    50                  55                  60
Tyr Val Leu Pro Ala Asp Pro Gly Arg Ile Leu Ile Leu Tyr Val Thr
65                  70                  75                  80
Met Glu Pro Cys Gly Tyr Arg Leu Ser Gly Ile Val Pro Cys Val Xaa
                85                  90                  95
Arg Ile Phe Xaa Ser Met Ala
            100
```

<210> 22271
<211> 165
<212> PRT
<213> A.fumigatus

<400> 22271

```
Glu Ser Asp Arg Asp Arg Pro Gly Gly His Lys Arg Gln Asn His Arg
1               5                   10                  15
Gly Arg Arg Gly Gln Arg Arg Arg Arg Arg Asp Asn Thr Asp Arg Arg
            20                  25                  30
Gly Arg Ser Arg Gln Asp Pro Lys Arg Ser Pro Lys Lys Gly Ser Glu
        35                  40                  45
His Gln Arg Asn Arg Gly Arg His Gln Ser Gly Arg Arg Gly Thr Arg
    50                  55                  60
Arg Arg Gly Arg Arg Lys Gly Glu Glu Ala Ile Asn Gln Gln Gly Arg
65                  70                  75                  80
```

```
Gly Lys Gly Gly Gly Ser Arg Gly Gly Gly Lys Arg Thr Asn Arg Gly
                85                  90                  95
Arg Lys Glu Gly Ser Lys Arg Lys Glu Ser Lys Arg Gly Lys Ala Thr
            100                 105                 110
Gln Lys Glu Glu Lys Lys Arg Gly Arg Arg Lys Ser Lys Glu Gln Gln
        115                 120                 125
Glu Lys Arg Thr Ala Glu Gly Glu Lys Ser Ala Ser Gln Arg Gly Arg
    130                 135                 140
Gly Tyr Pro Asp Gly Glu Thr Lys Thr Lys Ala Asp Lys Leu Gly Ser
145                 150                 155                 160
Thr Ser Ser Leu Thr
                165
```

<210> 22272
<211> 208
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (26),(30)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22272

```
Val Arg Pro Thr Ser Pro Gly Ser Phe Thr Thr Phe Lys Asn Val Leu
1               5                   10                  15
Asp Pro Arg Ser Pro Ser Ser His Arg Xaa Glu Asp Pro Xaa His Thr
            20                  25                  30
Arg His Asn Pro Arg Gln Ser Ile Pro Ala Arg Leu His Arg His Ile
        35                  40                  45
Gln Asp Lys Asn Pro Thr Gly Ile Gly Arg Glu Asp Ile Ser Asp Lys
    50                  55                  60
Ile Ile Gly Asp Gly Glu Asp Ser Gly Glu Glu Gly Glu Thr Thr Gln
65                  70                  75                  80
Ile Gly Glu Gly Glu Ala Gly Lys Ile Gln Arg Glu Ala Arg Arg Lys
                85                  90                  95
Glu Ala Asn Ile Lys Glu Ile Glu Val Ala Ile Lys Ala Gly Asp Glu
            100                 105                 110
Glu Arg Ala Asp Ala Glu Glu Gly Arg Ala Arg Arg Arg Ser Ile Ser
        115                 120                 125
Lys Gly Glu Ala Lys Ala Glu Glu Val Glu Glu Gly Gly Ser Gly Gln
    130                 135                 140
Thr Ala Gly Gly Arg Lys Gly Ala Lys Glu Lys Arg Ala Arg Glu Glu
145                 150                 155                 160
Arg Gln His Lys Lys Lys Lys Arg Arg Glu Glu Glu Glu Arg Ala Lys
                165                 170                 175
Ser Ser Arg Lys Lys Glu Gln Gln Lys Glu Lys Ser Gln His Arg Lys
            180                 185                 190
Glu Gly Glu Ala Ile Gln Thr Glu Lys Gln Arg Arg Lys Gln Ile Ser
        195                 200                 205
```

<210> 22273
<211> 145
<212> PRT
<213> A.fumigatus

<400> 22273
Ala Thr Lys Ser Ser Gly Thr Glu Arg Thr Ala Ala Lys Lys Glu Arg
1 5 10 15
Gln His Arg Ser Ala Arg Glu Lys Pro Ala Arg Ser Lys Glu Lys Pro
20 25 30
Glu Glu Arg Lys Arg Thr Ser Lys Lys Ser Arg Ser Pro Ser Lys Arg
35 40 45
Glu Thr Arg Asn Ala Pro Thr Arg Lys Lys Glu Gly Arg Gly Gly Asp
50 55 60
Gln Ser Ala Arg Glu Arg Gln Arg Arg Arg Lys Ser Arg Arg Gly Glu
65 70 75 80
Ala Asp Lys Pro Arg Glu Glu Gly Arg Glu Gln Lys Lys Arg Glu Gln
85 90 95
Glu Arg Lys Gly Asn Thr Lys Arg Arg Lys Glu Glu Arg Lys Lys Lys
100 105 110
Glu Gln Arg Ala Ala Gly Lys Lys Asn Ser Arg Arg Arg Lys Val Ser
115 120 125
Ile Ala Lys Arg Glu Arg Leu Ser Arg Arg Arg Asn Lys Asp Glu Ser
130 135 140
Arg
145

<210> 22274
<211> 69
<212> PRT
<213> A.fumigatus

<400> 22274
Gly Cys Phe Ile Thr His Tyr Leu Arg Tyr Leu Leu Ile Pro Leu His
1 5 10 15
Thr Gly Ile Ile Asp Thr Met Met Gly Arg Leu Lys Gln Phe Thr Pro
20 25 30
Glu Leu Thr Ile Tyr Arg Tyr Asn Thr Tyr Ile Leu Val Gly Cys His
35 40 45
Gly Asp Val Arg Ser Thr Ser Ser Ser Ala Gly Gln Arg Phe Ala Ser
50 55 60
Leu His Pro Ser Ser
65

<210> 22275
<211> 60
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (5),(6),(7),(9)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22275
Gln Thr Ala Phe Xaa Xaa Xaa Arg Xaa Asp Gly Ser Ala Pro Ser Ser
1 5 10 15
Pro Val Val Lys Thr Ala Asp Asp Ala Ala Ser Cys Gly Gly Asp Gly
20 25 30
Asp Gly Glu Gln Gly His Asp Gly Phe Val Val Glu Ser Ala Leu Leu
35 40 45

```
Ile Phe Ala Gly Met Arg Ala Lys Asp Phe Thr Ala
    50                  55                  60

<210> 22276
<211> 144
<212> PRT
<213> A.fumigatus

<400> 22276
Arg His Gly Thr Val His Glu Tyr Asn Ile Thr Ile Lys Val Trp Thr
1               5                   10                  15
Asp Ile Ser Pro Thr Pro Met Ala Ser Thr Tyr Tyr Gly Tyr Gly Gly
            20                  25                  30
Leu Ser Val Asp Leu Gln Val Pro Gly Thr Leu Met Val Ala Ala Leu
        35                  40                  45
Asn Cys Trp Trp Pro Asp Glu Leu Ile Phe Thr Ser Val Asp Ser Gly
    50                  55                  60
Ala Thr Trp Ser Pro Ile Trp Ala Trp Asn Gly Tyr Pro Asn Leu Asp
65                  70                  75                  80
Tyr Tyr Tyr Ser Tyr Asp Ile Ser Asn Ala Pro Trp Leu Gln Asp Asp
                85                  90                  95
Thr Ser Thr Asn Gln Phe Pro Val Arg Val Gly Trp Met Val Glu Ala
            100                 105                 110
Leu Ala Ile Asp Pro Phe Asp Ser Asn His Trp Leu Tyr Gly Thr Gly
        115                 120                 125
Ala Thr Ile Tyr Gly Gly His Asp Leu Glu Lys Trp Asp Thr Val His
    130                 135                 140

<210> 22277
<211> 66
<212> PRT
<213> A.fumigatus

<400> 22277
Val Gln Tyr Tyr Leu Ser Leu Thr Arg Cys Phe Cys His Tyr Ile Asn
1               5                   10                  15
Lys Tyr Ala Tyr Ile Ile Lys Pro Leu Gln Glu His Lys Thr His Met
            20                  25                  30
Leu Lys Gly Ser Pro Leu Lys Gly Pro Glu Arg Cys Ile Phe Thr Ile
        35                  40                  45
Ser Lys Val Ile Asn Thr Pro Thr Asn Tyr Lys Thr Lys Ala Phe Cys
    50                  55                  60
Gln Leu
65

<210> 22278
<211> 159
<212> PRT
<213> A.fumigatus

<400> 22278
Ile Leu Leu Ile Ile Tyr Pro Pro Tyr Ser Thr His Ser Leu Gln Leu
1               5                   10                  15
Leu Asp Val Gly Ile Phe Ser Pro Leu Ala Thr Ala Tyr Ser Lys Gln
            20                  25                  30
Leu Glu Glu Phe Leu His Arg Leu Met Gly Leu Ser Tyr Ile Thr Lys
```

```
        35                  40                  45
Gln Asp Phe Phe Arg Leu Phe Trp Pro Ala Trp Glu Gln Ala Ser Ser
    50                  55                  60
Leu Arg Asn Ile Leu Ser Ser Trp Lys Thr Val Gly Ile Ser Pro Leu
65                  70                  75                  80
Asp Pro Glu Ile Ile Leu Gln Arg Phe Thr Lys Lys Lys Asp Ser Arg
                85                  90                  95
Pro Ser Thr Ser Glu Ser Ser His Ser Ile Leu Gln Ala Glu Asp Trp
            100                 105                 110
Arg Lys Ile Glu Arg Leu Leu Asn His Ile Val Ala Asp Ile Tyr Asp
        115                 120                 125
Lys Asn Thr Lys Lys Leu Ser Leu Ile Met His His Leu Ser Thr Glu
    130                 135                 140
Asn Ile Leu Leu Lys Leu His Cys Gln Gly Leu Glu Ser Ala Leu
145                 150                 155

<210> 22279
<211> 74
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (68),(69),(71),(74)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22279
Ile His Leu Pro Leu Ala His Glu Leu Leu Ser Ser Asp Asp Phe Arg
1               5                   10                  15
Lys Tyr Ile Val Ser Ile Arg Asn Ala Ser Tyr Ala Ile Ala Val Leu
            20                  25                  30
Ala Lys Ile Ser Ser Ile Glu Gln Gly Thr Val Thr Ala Gly Met Arg
        35                  40                  45
Phe Asp Ile Glu Val Gly Ser Ser Pro Arg Gly Trp Lys Val Asp Glu
    50                  55                  60
Cys Ser Phe Xaa Xaa Gln Xaa Gly Pro Xaa
65                  70

<210> 22280
<211> 191
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (13)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22280
Ala Ile His Ser Glu Phe Tyr Asp Trp Arg Val Ser Xaa Arg Arg Gly
1               5                   10                  15
Leu Leu Leu Phe Leu Phe Leu Phe Leu Phe Leu Leu Leu Leu Phe Phe
            20                  25                  30
Phe Leu Leu Phe Phe Phe Leu Leu Leu Phe Phe Leu Leu Leu Phe Phe
        35                  40                  45
Leu Leu Phe Ala Cys Arg Cys Phe Ser Ser Phe Phe Phe Ser Trp Arg
```

```
    50                  55                  60
Phe Leu Leu Leu Leu Phe Leu Phe Gly Leu Leu Leu Arg Arg Ala Ser
65                  70                  75                  80
Phe Leu Leu Leu Ala Pro Ser Leu Phe Leu Phe Cys Cys Leu Leu Leu
                85                  90                  95
Pro Leu Leu Pro Leu Arg Leu Val Phe Arg Ser Leu Trp Cys Arg Leu
            100                 105                 110
Pro Phe Leu Phe Phe Leu Val Arg Leu Val Leu Gly Ala Tyr Leu Ala
        115                 120                 125
Glu Phe Ser Cys Phe Ser Ala Ser Ser Pro Arg Ser Phe Ala Arg Trp
    130                 135                 140
Pro Pro Pro Ser Ala Leu Ala Ala Phe Phe Pro Gly Cys Ser Leu Ile
145                 150                 155                 160
Ser Cys Cys Arg Ser Cys Gly Phe Arg Ser Ala Ser Ser Cys Ala Ser
                165                 170                 175
Trp Arg Ser Leu Trp Gly Trp Ile Lys Arg Gly Ile Ala Ile Cys
            180                 185                 190
```

<210> 22281
<211> 151
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (2),(7),(10),(38)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22281

```
Ser Xaa Gly Arg Leu Leu Xaa Met Val Xaa Arg Tyr Ala Arg Ile Val
1               5                   10                  15
Pro Ser Tyr Arg Thr Arg Trp Asn Lys Arg Tyr Ile Leu Asn Phe Met
            20                  25                  30
Thr Gly Gly Tyr Leu Xaa Glu Glu Gly Phe Phe Ser Ser Ser Phe Ser
        35                  40                  45
Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser
    50                  55                  60
Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser Pro Val Val Ala
65                  70                  75                  80
Ser Leu Pro Ser Ser Ser Leu Gly Ala Ser Ser Phe Phe Ser Ser Ser
                85                  90                  95
Ser Ala Phe Phe Ser Ala Ala Arg Arg Phe Ser Ser Ser Arg Arg Pro
            100                 105                 110
Cys Ser Cys Phe Ala Ala Phe Ser Ser Leu Phe Phe Arg Cys Val Leu
        115                 120                 125
Phe Phe Ala Pro Phe Gly Val Val Ser Leu Ser Ser Ser Phe Trp Phe
    130                 135                 140
Asp Ser Phe Ser Ala Arg Ile
145                 150
```

<210> 22282
<211> 176
<212> PRT
<213> A.fumigatus

<220>

<221> UNSURE
<222> (5)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22282
Leu Glu Gly Ile Xaa Lys Lys Arg Ala Ser Ser Leu Pro Leu Ser Leu
1 5 10 15
Pro Leu Pro Pro Pro Pro Leu Leu Leu Pro Pro Leu Leu Leu Pro Pro
20 25 30
Pro Leu Leu Pro Pro Pro Leu Leu Pro Pro Leu Arg Leu Ser Leu Leu
35 40 45
Leu Phe Leu Leu Leu Leu Leu Ala Leu Pro Pro Ser Ser Leu Pro Leu
50 55 60
Arg Pro Ser Ser Pro Pro Arg Val Val Ser Pro Pro Arg Ala Val Pro
65 70 75 80
Val Pro Val Leu Leu Pro Ser Pro Pro Ser Ser Ser Ala Ala Ser Cys
85 90 95
Phe Ser Leu Pro Leu Val Ser Ser Pro Phe Pro Leu Leu Ser Gly Ser
100 105 110
Thr Arg Ser Arg Arg Val Phe Ser Gly Val Phe Val Phe Phe Cys Leu
115 120 125
Phe Ser Ser Phe Leu Arg Ala Leu Ala Ser Ser Phe Cys Ser Cys Cys
130 135 140
Phe Phe Ser Trp Leu Phe Phe Asp Phe Leu Leu Pro Val Val Arg Val
145 150 155 160
Pro Phe Cys Phe Phe Leu Arg Phe Leu Glu Ile Thr Met Gly Met Asp
165 170 175

<210> 22283
<211> 184
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (179)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22283
Gln Ile Ala Ile Pro Leu Leu Ile His Pro His Ser Asp Leu Gln Glu
1 5 10 15
Ala Gln Glu Glu Ala Glu Arg Asn Pro His Asp Arg Gln Gln Glu Ile
20 25 30
Lys Glu Gln Pro Gly Lys Lys Ala Ala Arg Ala Glu Gly Gly Gly Gln
35 40 45
Arg Ala Lys Glu Arg Gly Glu Glu Ala Glu Lys His Glu Asn Ser Ala
50 55 60
Lys Tyr Ala Pro Arg Thr Ser Arg Thr Arg Lys Lys Arg Lys Gly Arg
65 70 75 80
Arg His Gln Arg Glu Arg Lys Thr Arg Arg Ser Gly Arg Arg Gly Arg
85 90 95
Arg Arg Gln Gln Asn Arg Asn Arg Asp Gly Ala Arg Arg Arg Asn Asp
100 105 110
Ala Arg Arg Arg Arg Arg Pro Lys Arg Lys Arg Arg Arg Arg Lys Arg
115 120 125
Gln Glu Lys Lys Lys Glu Glu Lys Gln Arg Gln Ala Lys Arg Arg Lys

```
    130                 135                 140
Lys Arg Arg Arg Lys Lys Arg Arg Arg Lys Lys Lys Arg Arg Lys Lys
145                 150                 155                 160
Lys Arg Arg Arg Arg Lys Arg Lys Arg Lys Arg Lys Arg Arg Ser Pro
                165                 170                 175
Leu Leu Xaa Asp Thr Leu Gln Ser
            180
```

<210> 22284
<211> 171
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (171)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22284

```
Ser Ile Pro Ile Val Ile Ser Lys Lys Arg Arg Lys Lys Gln Asn Gly
1               5                   10                  15
Thr Arg Thr Thr Gly Asn Lys Lys Ser Lys Asn Asn Gln Glu Lys Lys
            20                  25                  30
Gln Gln Glu Gln Lys Glu Glu Ala Asn Ala Arg Arg Asn Glu Glu Lys
        35                  40                  45
Arg Gln Lys Asn Thr Lys Thr Pro Leu Asn Thr Arg Arg Glu Arg Val
    50                  55                  60
Glu Pro Glu Arg Arg Gly Lys Gly Asp Asp Thr Lys Gly Ser Glu Lys
65                  70                  75                  80
Gln Asp Ala Ala Glu Glu Glu Gly Gly Glu Gly Ser Lys Thr Gly Thr
                85                  90                  95
Gly Thr Ala Arg Gly Gly Glu Thr Thr Arg Gly Gly Glu Glu Gly Arg
            100                 105                 110
Arg Gly Arg Glu Glu Gly Gly Ser Ala Lys Arg Arg Arg Arg Lys Arg
        115                 120                 125
Ser Asn Asp Arg Arg Arg Gly Gly Arg Arg Gly Gly Gly Arg Arg Gly
    130                 135                 140
Gly Gly Arg Arg Arg Gly Gly Arg Arg Arg Gly Gly Gly Gly Arg Gly
145                 150                 155                 160
Arg Glu Arg Gly Arg Glu Glu Ala Leu Phe Xaa
                165                 170
```

<210> 22285
<211> 119
<212> PRT
<213> A.fumigatus

<400> 22285

```
Cys Thr Pro Phe Ser Pro Val Val Lys Thr Gln Ile Asn Tyr Val Thr
1               5                   10                  15
Ser Asn Asn Met Asn Val Ser Leu Thr Asp Asp Val Thr Pro Lys Val
            20                  25                  30
Glu Glu Ile Asp Gly Ala Glu Asp Leu Arg Ser Ile Lys Thr Leu Glu
        35                  40                  45
Ala Glu Asn Thr Ile Ala Ser Ala Ser Asn His Pro Asn Thr Thr Thr
    50                  55                  60
```

```
Thr Thr Thr Ala Ala Pro Ala Asn Val Pro Arg Lys Arg Gly Arg Pro
65                  70                  75                  80
Arg Lys His Pro Leu Pro Val Pro Gly Ser Gln Ile Lys Ile Thr Lys
                85                  90                  95
Gly Arg Ser Lys Thr Gly Cys Ile Thr Cys Arg Arg Arg Lys Lys Lys
            100                 105                 110
Cys Asp Glu Thr Lys Pro Ser
        115
```

<210> 22286
<211> 102
<212> PRT
<213> A.fumigatus

<400> 22286

```
Leu Leu Phe Leu Phe Ile Leu Phe Phe Tyr Leu Pro Leu Phe Val Ser
1               5                   10                  15
Pro Phe Ile Phe Ser Pro Leu Ser Leu Pro Ser Pro Pro Pro Pro Arg
            20                  25                  30
Arg Asp Cys Leu Pro Pro Pro Gly Glu Asn Gln Phe Arg Ser Leu Thr
        35                  40                  45
Gly Thr Lys Arg Ile Val Ser Phe Gly Gly Trp Ala Phe Ser Thr Gln
    50                  55                  60
Pro Ser Thr Phe Asn Ile Leu Arg Thr Ala Val Thr Ala Asp Asn Arg
65                  70                  75                  80
Ala Gln Phe Ala Ser Asn Val Ala Gln Ala Cys Leu Pro Tyr Cys Arg
                85                  90                  95
Gly Val Ser Gly His Gly
            100
```

<210> 22287
<211> 126
<212> PRT
<213> A.fumigatus

<400> 22287

```
Cys Cys Ala Gly Met Ser Ser Leu Leu Pro Arg Gly Phe Arg Ala Arg
1               5                   10                  15
Leu Thr Leu Leu Gln Phe Val Val Asn Asn Asn Leu Asp Gly Val Asp
            20                  25                  30
Phe Asp Trp Glu Tyr Pro Gly Ala Pro Asp Ile Pro Gly Ile Pro Ala
        35                  40                  45
Gly Ser Pro Asp Asp Gly Pro Asn Tyr Leu Ala Phe Leu Gln Glu Leu
    50                  55                  60
Arg Ser Ile Leu Pro Thr Gly Lys Thr Ile Ser Ile Ala Ala Pro Ala
65                  70                  75                  80
Ser Phe Trp Tyr Leu Lys Ala Phe Pro Ile Ala Glu Ile Ser Gln Val
                85                  90                  95
Val Asp Tyr Ile Val Phe Met Thr Tyr Asp Leu His Gly Gln Trp Asp
            100                 105                 110
Tyr Asn Asn Ala Phe Ser Glu Ser Ser Ile His Arg Leu Leu
        115                 120                 125
```

<210> 22288
<211> 62
<212> PRT

<213> A.fumigatus

<400> 22288
Cys Gly Gly Arg Gly Arg Phe Gly Asn Val Met Leu Gln Ile Cys Leu
1 5 10 15
Lys Ala Gly Leu Asn Tyr Tyr Asn Leu Val Glu Tyr Ile Ile Asn Leu
20 25 30
Gly Ser Thr Gly Met Met Asn Asn Ile Leu Tyr Lys Gly Ala Arg Gly
35 40 45
Pro Val Ile Pro Asn Ile Ile Ile Ser Ile Arg Lys Gly Leu
50 55 60

<210> 22289
<211> 111
<212> PRT
<213> A.fumigatus

<400> 22289
Thr Phe Asn Ser Thr Glu Ala Ala Ser Met Val Glu His Ile Glu Leu
1 5 10 15
Leu Arg Gln Glu Leu Arg Arg Leu Phe Cys Phe His Asn His Arg Glu
20 25 30
Arg Trp Ser Thr Tyr Val Trp His Leu Leu Phe His Pro Ser Tyr Val
35 40 45
Phe Arg Leu Lys Thr Gly Val Ser Asn Ser Val Asp Asn Asn Leu Tyr
50 55 60
Arg Leu Ser Val Met Val Ser Ser Glu Phe Ala Ala Lys Ser Cys Asp
65 70 75 80
Ser Gln Gln Asn Ile Ser Ser Ala Phe Phe Val Cys Ser Ser Thr Gln
85 90 95
Ile Leu Arg Ile Arg Lys Leu Thr Thr Ala Ser Gln Ala Ser Ile
100 105 110

<210> 22290
<211> 138
<212> PRT
<213> A.fumigatus

<400> 22290
Phe Gln Gly Lys Phe Gln Asp Ile Tyr Leu Pro Leu His Val Phe Ser
1 5 10 15
Asn Tyr Arg Tyr Pro Arg Lys Ala Lys Asp Phe Val Ser Leu Trp Glu
20 25 30
Leu Lys Tyr Ser Ala Glu Phe Ser Leu Tyr Thr Lys Phe Leu Asp Glu
35 40 45
Pro Ile Arg Cys Leu Val Val Val Leu Ile Val Phe Cys Asp Tyr Gln
50 55 60
His Cys Arg Asn Leu Val Arg Phe Gly Tyr Asp Glu Arg Ala Phe Trp
65 70 75 80
Leu Phe Pro Trp Arg Ala Asp Ile Met Leu His Ser Gly Ser Lys Tyr
85 90 95
Leu Gly Gly His Ser Asp Ile Ile Tyr Gly Val Leu Ala Val Arg Gly
100 105 110
Glu Glu Trp Tyr Arg Gln Leu Trp Asn Gly Phe Thr Trp Val Pro Leu
115 120 125
Ser Val Lys Trp Arg Pro Gly Leu Pro Leu

130 135

<210> 22291
<211> 266
<212> PRT
<213> A.fumigatus

<400> 22291
Leu Met Asp Tyr Leu Pro Ile Ser Ser His Arg Ser His Pro Glu Trp
1 5 10 15
Gly Ile Cys Glu Asp Pro Ile Gly Arg Asn Asp Pro Gln Arg Pro Cys
20 25 30
His Ser Gly Val Val Arg Arg Val Glu Cys Leu Arg Gly Glu Met Lys
35 40 45
Met Asp Phe Glu Ile Phe Pro Ala Phe Asn Tyr Ala Arg Asp Arg His
50 55 60
Thr Gly His Trp Ile Ala Pro Glu Ser Ser Ser Gly Ala Leu Arg Lys
65 70 75 80
Tyr Ser Phe Glu Ser Glu Thr Gln Lys Leu Asp Leu Thr Ile His Ser
85 90 95
Gly Ile Asp Thr Ser Leu Glu Pro Ala Asp Ala Ile Ser Pro Val Asp
100 105 110
Leu Asn Leu Gln Glu Lys Glu Gly Pro Lys Gly Pro Gly Leu His Ala
115 120 125
Arg Val Arg Met Ile Glu Gly Gln Ser Ile Ser Phe Val Leu His Asn
130 135 140
Pro Glu Thr Ser Leu Pro Glu Glu Gly Ala Leu Gln His Tyr Leu Asp
145 150 155 160
Arg Leu Glu Lys Glu Thr Leu Asp Phe Trp Val Gly Trp Ile Ala His
165 170 175
Cys Met Phe Arg Gly His Tyr Arg Glu Gln Val Glu Arg Ser Leu Leu
180 185 190
Val Leu Lys Leu Leu Thr Tyr Lys Pro Thr Gly Ala Ile Val Ala Ala
195 200 205
Pro Thr Phe Ser Leu Pro Glu Tyr Val Gly Gly Ser Arg Asn Trp Asp
210 215 220
Tyr Arg Tyr Ser Trp Leu Arg Asp Ala Ala Phe Val Val Tyr Val Phe
225 230 235 240
Leu Lys Asn Gly Tyr Pro Leu Glu Ala Glu Ala Tyr Thr Ser Ser Leu
245 250 255
Thr Glu Leu Pro Gly Ala Ala Gln Glu Leu
260 265

<210> 22292
<211> 163
<212> PRT
<213> A.fumigatus

<400> 22292
Leu Gln Asn Ile Glu Phe Ser Gly Gly Thr Cys Ser Gly Gly His Gly
1 5 10 15
Leu Ser Ile Gly Ser Val Gly Gly Arg Asp Asp Asn Thr Val Lys Asn
20 25 30
Val Thr Ile Thr Asp Ser Thr Val Thr Asp Ser Ala Asn Gly Val Arg
35 40 45
Ile Lys Thr Val Tyr Asp Ala Thr Gly Ser Val Ser Gln Val Thr Tyr

```
    50                  55                  60
Ser Asn Ile Lys Leu Ser Gly Ile Thr Asp Tyr Gly Ile Val Ile Glu
65                  70                  75                  80
Gln Asp Tyr Glu Asn Gly Ser Pro Thr Gly Thr Pro Thr Thr Gly Val
                85                  90                  95
Pro Ile Thr Asp Leu Thr Ile Asp Gly Val Thr Gly Thr Val Glu Ser
            100                 105                 110
Asp Ala Val Glu Val Tyr Ile Leu Cys Gly Asp Gly Ser Cys Ser Asp
        115                 120                 125
Trp Thr Trp Glu Gly Val Asp Ile Thr Gly Gly Glu Lys Ser Ser Lys
    130                 135                 140
Cys Glu Asn Val Pro Ser Gly Gly Leu His Arg Gly Leu Lys Ser Ala
145                 150                 155                 160
Pro Trp Glu
```

<210> 22293
<211> 198
<212> PRT
<213> A.fumigatus

<400> 22293

```
Arg Pro Phe Phe Thr Tyr Tyr Ser Glu Tyr Phe Leu Leu Thr Cys Ser
1               5                   10                  15
Ala Cys Leu Thr Ala Ile His Pro Thr Lys Ile Ser Asp His Leu Asn
            20                  25                  30
Ala Glu His Pro Gly Thr His Val Thr Gln Gln Ala Leu Asp Ser Ile
        35                  40                  45
Arg Val Ala Ala Leu Thr Thr Ser His Asn Gln Ile Met Thr Glu Gln
    50                  55                  60
Pro Ile His Pro Ile Pro Thr Leu Ala Ser Pro Arg Glu Gly Phe Gln
65                  70                  75                  80
Cys Lys Leu Cys Lys Leu Val Arg Leu Gly His Arg Thr Met Arg Asn
                85                  90                  95
His Ile His Asp Ile His Gln Ile Asn Gly Tyr Gly Pro Gln Asp Ala
            100                 105                 110
Glu Met Ala Ser Cys Leu Ile Gln Ala Leu Glu Gly Thr Ser Tyr Leu
        115                 120                 125
Phe Arg Val Asn Pro Pro Ala Thr Met Pro Asn Gln Ala Ser Thr Ser
    130                 135                 140
Thr Arg Ala Ser Arg Lys Arg Thr Arg Glu Pro Ser Leu Ile Gly Ser
145                 150                 155                 160
Thr Pro Gly Pro Ser Ile Gln Arg Ser Arg Val His Ser Pro Asp Gln
                165                 170                 175
Pro Gly Thr Ser Thr Ile His Gln Ser Tyr Leu Ala Ser Phe Gln Ala
            180                 185                 190
His Arg Gln Asn Leu Lys
        195
```

<210> 22294
<211> 89
<212> PRT
<213> A.fumigatus

<400> 22294

```
Asp Ala Tyr Ser Val Tyr Leu Leu Cys Arg Trp Leu Asp Leu Pro Glu
```

```
1               5                   10                  15
Val Pro Thr Phe Gln Tyr Arg Arg Cys Asn Leu Leu Ile Glu Leu Val
            20                  25                  30
Tyr Arg Ile Ala Asp Phe Pro Ala Met Gln Ile Leu Ser Pro His Gly
        35                  40                  45
Leu Ser Cys Lys Leu Ile Arg Lys Leu Glu Leu Ser Leu Ile Lys Ala
    50                  55                  60
Ser Glu Tyr Pro Gly Leu Thr Met Val Ser Met Ser Tyr Thr Ala Ser
65                  70                  75                  80
Ser Pro Arg Gly Trp Lys Asp Gln Arg
                85
```

<210> 22295
<211> 76
<212> PRT
<213> A.fumigatus

<400> 22295

```
Asp Leu Leu Thr Asp Arg His Tyr His Trp Trp Arg Arg Ser Asn Arg
1               5                   10                  15
Ala Ile Thr Asp Ala Gln Leu Val Val Leu Glu Val Leu Arg Ser His
            20                  25                  30
Leu Asp Leu Ser Ala Pro Arg Ile Arg Asp Ile Ala Asp Lys Thr Leu
        35                  40                  45
Thr Leu Ser Ile Cys Phe Val Ala Gly Trp Ile Phe Gln Lys Phe Gln
    50                  55                  60
Pro Ser Ser Thr Val Asp Ala Thr Ser Leu Ser Asn
65                  70                  75
```

<210> 22296
<211> 196
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (94),(167),(192),(193)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22296

```
Glu Ala Gly His Cys Phe Gln Lys Ser Ile Glu Ile Asp Pro Arg Cys
1               5                   10                  15
Ala Met Ser Tyr Trp Gly Leu Ala Tyr Ala Val Gly Pro Asn Tyr Asn
            20                  25                  30
Lys Pro Trp Glu Val Phe Asp Lys Gln Glu Leu Glu Ser Thr Val Gln
        35                  40                  45
Arg Thr Arg Arg Ala Ala Glu Asp Ala Lys Ala Asn Ala Lys Leu Ala
    50                  55                  60
Ser Pro Val Glu Ala Ala Leu Ile Asp Ala Met Gln Tyr Arg Tyr Pro
65                  70                  75                  80
Gln Asp Arg Pro Ala Gly Asp Cys Ser Ser Trp Asn Gln Xaa Tyr Ala
                85                  90                  95
Asp Ala Met Glu Ala Val Tyr Lys Gln His Pro Asp Asp Leu Asp Val
            100                 105                 110
Ala Val Leu Tyr Ala Asp Ala Leu Met Asn Leu Thr Pro Trp Ala Leu
        115                 120                 125
```

```
Trp Asp Ile Lys Thr Gly Gln Pro Ala Pro Asp Ala Arg Thr Leu Asp
    130                 135                 140
Ile Lys Ala Val Leu Asp Arg Ala Arg His Arg Arg Glu Asp Ser Leu
145                 150                 155                 160
Ile Arg Val Cys Ala Phe Xaa Ile His Leu Arg Arg Val Arg Ser Pro
                165                 170                 175
Asp Ala Gln Glu Ala Ala Thr Thr Pro Gly Lys Gly Pro Gln Ala Xaa
            180                 185                 190
Xaa Thr Trp Gly
        195
```

<210> 22297
<211> 318
<212> PRT
<213> A.fumigatus

<400> 22297

```
Gly Asn Phe Phe Cys Gly Ala Tyr Glu Gly Leu Ser Trp Val Ser Lys
1               5                   10                  15
Lys Gly Gln Gly Leu Gly Ser Lys Trp Pro Arg Val Leu Ser Ala Arg
            20                  25                  30
Ser Lys Ala Gln Ala Arg Pro Asp Gly Arg Trp Val Gly Val Pro Phe
        35                  40                  45
Ala Arg Asn Arg Lys Gln Ala Arg Lys Glu Glu Asn Arg Gln Thr Ala
    50                  55                  60
Ala Arg Gly Glu Val Val Glu Asp Ser Ser Asp Glu Glu Arg Met Arg
65                  70                  75                  80
Arg Arg Lys Lys Lys Glu Glu Arg Gln Arg Glu Ser Arg Ser Gly Thr
                85                  90                  95
Gly Thr Pro Val Ser Arg Ala Lys Pro Arg Phe Arg Ala Ala Arg Glu
            100                 105                 110
Ile Glu Ala Asp Met Asp Gly Leu Glu Val Pro Asn Val Leu Lys Ser
        115                 120                 125
Leu Ile Asp Ala Thr Gly Lys Glu Gln Arg Val Leu Thr Ser Thr Ala
    130                 135                 140
Gly Leu Met Thr Pro Leu Glu Phe Val Asn Gln Gly Glu Gly Glu Ala
145                 150                 155                 160
Leu Lys Ile Ala Arg Arg Ala Arg His Asp Leu Glu Ala Phe Ala Asp
                165                 170                 175
Glu Trp Lys Gly Leu Thr Glu Arg Lys Lys Phe Ala Glu Leu Glu Glu
            180                 185                 190
Ala Gln Ile Val Glu Gln Leu Asp Thr Asn Gln Leu Lys Thr Asp Glu
        195                 200                 205
Leu Thr Asn Leu Ile Thr Ala Ile Gly Gln Leu Glu Ile Phe Glu Glu
    210                 215                 220
Asp Ser Thr Leu Ala Arg Phe Asp Glu Leu Thr Ser Lys Leu Glu Ser
225                 230                 235                 240
Ile Glu Met Lys Tyr Arg Ser Glu Ile Asp Glu Tyr Arg Leu Ser Glu
                245                 250                 255
Thr Ala Val Ala Ala Ile His Pro Leu Phe Arg Gln Ala Met Glu Asp
            260                 265                 270
Trp Asp Pro Leu Gln Glu Pro Thr Phe Leu Val Ser Asn Leu Arg Arg
        275                 280                 285
Leu Gln Pro Leu Leu Ser Arg Lys Lys Asn Asp Glu Ala Val Ser Arg
    290                 295                 300
Gln Ser Ser Pro Arg Gly Trp Lys Glu Pro Cys His Asp Gln
```

305 310 315

<210> 22298
<211> 61
<212> PRT
<213> A.fumigatus

<400> 22298
Ser Lys Thr Ser Leu Asp Phe Ser His Thr Ile Ile Leu Ser Ile Leu
1 5 10 15
Pro Leu Tyr Leu Asp Lys Pro Ser Ile Pro Leu His Ile Arg Glu Ile
20 25 30
Ser Phe Val Ile His Ile Leu Phe Ser Ile Tyr Tyr Leu Phe Ser Phe
35 40 45
His Asn Thr Arg Ile Cys Pro Thr Gly Gly Asn Pro Arg
50 55 60

<210> 22299
<211> 109
<212> PRT
<213> A.fumigatus

<400> 22299
Cys Leu Val Ser Ser Pro Leu Arg Gln Ser Thr Tyr Lys Phe Leu Leu
1 5 10 15
Leu Leu Ile Pro His His Asp Phe Phe Leu Ser Asn His Gln Gly Met
20 25 30
Leu Ile Asp Gly Glu Lys Trp Ala Cys Glu Ala Cys Val Arg Gly His
35 40 45
Arg Val Thr Thr Cys Lys His Asn Gly Thr Tyr Ser Ser Ile Leu Ser
50 55 60
Leu Ser Phe Ser Lys Phe Ser Gln Thr His Ile Glu Cys Tyr Arg Ser
65 70 75 80
Thr Ile Asp Pro His Arg Gln Lys Gly Ser Pro Leu Phe Asp Leu Leu
85 90 95
Cys Met Gln Leu His Pro Met Pro Ser Ser Arg Gly Ser
100 105

<210> 22300
<211> 88
<212> PRT
<213> A.fumigatus

<400> 22300
Ser Thr Ser Arg Val Ile Arg Val Asn Asn Thr Lys Ser Ala His Thr
1 5 10 15
Pro Ser Tyr Ile Gly Ser Asn Gln Ile Glu Ala Ala Leu Cys Phe Tyr
20 25 30
Lys Ala Leu Lys Val Tyr Pro Gln Pro Lys Asp Leu Ile Ser Ile Tyr
35 40 45
Asp Lys Thr Val Pro Lys Asp Val Leu Glu Ile Leu Ala Glu Met Val
50 55 60
Ala Met Asp Ala Gly Leu Lys Leu Gly Ser Phe Thr Gly Glu Gly Gly
65 70 75 80
Ser Ala Asp Asn His Gly Val Glu
85

<210> 22301
<211> 80
<212> PRT
<213> A.fumigatus

<400> 22301
Leu Ile Cys Asn Gly Ser Gly Thr Phe Gln Pro Arg Gly Glu Asp Thr
1 5 10 15
Ser Gly Pro Arg Gln Met Leu Thr Cys Pro Gly Leu Val Arg Lys Ala
20 25 30
Ala Arg Pro Leu Asp Phe Val Pro Val Val Phe Pro Lys Ala Gln Leu
35 40 45
Tyr Leu Leu Pro Ser Gln Gln Pro Thr Gln Ala Ser Ser Glu Thr Leu
50 55 60
Thr Asp Pro Thr Gly Ala Ala Ala Glu Ala Asn His Ser His His His
65 70 75 80

<210> 22302
<211> 86
<212> PRT
<213> A.fumigatus

<400> 22302
Asp Val Leu Val Ser Ile Glu Tyr Asn Arg Ile Gly Gln Ala Trp Trp
1 5 10 15
Leu Thr Pro Met Ile Pro Ala Phe Trp Glu Ala Glu Ala Gly Gly Leu
20 25 30
Pro Glu Val Arg Ser Leu Arg Pro Ala Trp Pro Thr Trp Gln Asn Pro
35 40 45
Val Phe Thr Lys Asn Thr Lys Ile Ser Arg Ala Trp Trp Cys Ala Pro
50 55 60
Val Ile Pro Ala Thr Arg Glu Ala Glu Ala Gly Glu Pro Phe Glu Pro
65 70 75 80
Gly Arg Gln Arg Leu Gln
85

<210> 22303
<211> 101
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (25),(26),(27),(28)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22303
Leu Ser Gln His Val Ile Asn Lys Asp Val Leu Cys Cys Leu Gln Ser
1 5 10 15
Pro Gly Phe Phe Phe Phe Phe Phe Xaa Xaa Xaa Xaa Glu Thr Glu Ser
20 25 30
His Ser Val Ala Gln Ala Gly Val Gln Trp His Asp Leu Gly Ser Leu
35 40 45
Gln Pro Leu Pro Pro Arg Phe Lys Trp Phe Ser Cys Leu Ser Leu Pro
50 55 60

Ser Ser Trp Asp His Arg Cys Thr Pro Pro Cys Pro Ala Asn Phe Cys
65 70 75 80
Ile Phe Ser Lys Asp Arg Val Leu Pro Cys Trp Pro Gly Trp Ser Gln
85 90 95
Thr Pro Asp Leu Arg
100

<210> 22304
<211> 72
<212> PRT
<213> A.fumigatus

<400> 22304
Ser Thr Arg Leu Ser Leu Pro Lys Cys Trp Asp His Arg Arg Glu Pro
1 5 10 15
Pro Arg Leu Ala Asn Pro Val Val Phe Tyr Thr His Lys His Ile Ser
20 25 30
Ile Trp Thr Arg His Ile Phe Lys Cys Cys Ile Val Lys Trp Gly Glu
35 40 45
Trp Pro Val Leu Leu Gln Arg Cys Pro Thr Arg Ala Asp Pro Arg Ser
50 55 60
Ser Arg Lys Trp Lys Phe Tyr Leu
65 70

<210> 22305
<211> 139
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (20),(21),(23)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22305
Ser Ile Lys Met Phe Tyr Ala Val Phe Lys Val Arg Val Phe Phe Phe
1 5 10 15
Phe Phe Phe Xaa Xaa Cys Xaa Arg Gln Ser Leu Thr Leu Leu Pro Arg
20 25 30
Leu Glu Cys Asn Gly Met Ile Leu Ala His Cys Asn Leu Cys Leu Pro
35 40 45
Gly Ser Asn Gly Ser Pro Ala Ser Ala Ser Arg Val Ala Gly Ile Thr
50 55 60
Gly Ala His His His Ala Arg Leu Ile Phe Val Phe Leu Val Lys Thr
65 70 75 80
Gly Phe Cys His Val Gly Gln Ala Gly Leu Lys Leu Leu Thr Ser Gly
85 90 95
Asn Pro Pro Ala Ser Ala Ser Gln Asn Ala Gly Ile Ile Gly Val Ser
100 105 110
His His Ala Trp Pro Ile Leu Leu Tyr Ser Ile Leu Thr Ser Thr Ser
115 120 125
Gln Phe Gly Leu Ala Thr Phe Leu Ser Ala Val
130 135

<210> 22306
<211> 105

<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (103)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22306
Leu Gln Asn Ala Gly Pro Phe Arg Val Leu Glu Cys Val Arg Arg Leu
1 5 10 15
Ala Tyr Tyr Ile Lys Leu Pro Ser Thr Trp Lys Ile Tyr Leu Val Leu
20 25 30
Ser Val Ala Tyr Leu Glu Pro Ala Leu Ala Thr Pro Asn Leu Phe Tyr
35 40 45
Cys Glu Leu Pro Lys Pro Pro Ala Val Ile Asn Ala Glu Val Tyr Pro
50 55 60
Ser Glu Asp Asp Ile Tyr Lys Val Lys Cys Leu Leu Asn Lys His Thr
65 70 75 80
Val His Arg Gly His Lys Tyr Thr Pro Tyr Ile Glu Tyr Leu Val Ala
85 90 95
Trp Lys Gly Tyr Arg Leu Xaa Asp Asp
100 105

<210> 22307
<211> 81
<212> PRT
<213> A.fumigatus

<400> 22307
Lys Lys Leu Ala Val Ile Tyr Thr Leu Glu Phe Leu Cys Asn Leu Lys
1 5 10 15
Gln Leu Glu His Tyr Leu Gly Leu Thr Ile Cys Phe His His Tyr Gly
20 25 30
Ser Lys Tyr Ala His Ile Ile Lys Pro Leu Gln Glu Cys Lys Thr Arg
35 40 45
Met Leu Asn Ser Ser Pro Leu Lys Gly Pro Glu Arg Cys Ala Phe Thr
50 55 60
Thr Gly Lys Ala Ile Asn Ala Pro Thr Asp Tyr Glu Thr Glu Ser Phe
65 70 75 80
Cys

<210> 22308
<211> 177
<212> PRT
<213> A.fumigatus

<400> 22308
Tyr Thr His Ser Ser Asp Pro Ser Ala Ala Val Val Lys Ile Ile Gly
1 5 10 15
Asp Asp Asp Gln Lys Val Arg Ser Gly Arg His Leu Gln Gly Gln Ser
20 25 30
Asp Leu Glu Ala Ala Ser Cys Glu Tyr Arg His Lys Phe Asp Phe Leu
35 40 45
Glu Lys Ser Leu Ser Asn Asp Glu Gly Asn Ser Ile Tyr Thr Pro Leu

```
    50                  55                  60
Leu Ser Pro Asp Ser Trp Val Ala Lys Pro Val Gly Asn Thr Pro Ala
65                  70                  75                  80
Ile Ser Trp Asn Met Ser Met Arg Lys Ser Asn Arg Ile Glu Glu Thr
                85                  90                  95
Gln Pro Val Ser Ser His Asn Gln Ala Gln Pro Leu His His Arg Arg
            100                 105                 110
Leu Lys Trp Leu Ile Ala Thr Gln His Ala Ile Pro Cys Phe His Ala
        115                 120                 125
Val Pro Ala Val Leu Trp Gly Ser Leu Glu Asp Cys His Arg Ser Gln
    130                 135                 140
Gln Glu Ser Ala Asn Cys His Phe Ala Ser His Leu Val His Val Thr
145                 150                 155                 160
Gln Cys Glu Ser Pro Arg Leu His Val Arg Arg Trp Lys Gln Ala Ile
                165                 170                 175
Lys
```

<210> 22309
<211> 78
<212> PRT
<213> A.fumigatus

<400> 22309

```
Arg Gly Ser Phe Ala Pro Arg Gly Glu Asp Met Leu Gly Tyr Thr Leu
1               5                   10                  15
Trp Asn Phe Cys Glu Leu Val Phe Val Tyr Phe Phe Tyr Val Glu Thr
            20                  25                  30
Lys Gly Asn Thr Leu Glu Glu Val Ala Arg Ile Phe Asp Gly Asp Asp
        35                  40                  45
Ala Ile Ala His Ile Asp Leu Gln His Val Glu Lys Glu Ile Glu Ala
    50                  55                  60
Glu Ala Thr Tyr His Glu Thr Val Pro Asn Lys Ser Ala Ala
65                  70                  75
```

<210> 22310
<211> 290
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (20)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22310

```
Leu Trp Ser Ala Arg Leu Phe Phe Lys Ile Arg Pro Asn Glu Gly Pro
1               5                   10                  15
Glu Cys Leu Xaa Lys Val Gly Ile Arg Ser Ala Ile Glu Ser Val Gln
            20                  25                  30
Asn Ser Glu Lys Lys Lys Tyr Gly Arg Ser Tyr Gln Gly Asp Arg Leu
        35                  40                  45
Phe Arg Leu Glu Arg Ile Tyr Ile Arg Tyr Leu Ser Glu Ser Gly Ser
    50                  55                  60
Trp Asp Ser Ala Arg Glu Thr Phe Lys Gly Leu Val Gly Arg Arg Gly
65                  70                  75                  80
```

```
Asn Ser Tyr Glu Phe Trp Leu Thr Tyr Tyr His Trp Glu Leu Ile Ser
                85                  90                  95
Trp Ser Lys Phe Val Gln Gly Glu Gly Thr Ala Asp Ala Ala Arg Arg
            100                 105                 110
Thr Pro Asn Pro Ser Phe Ala Thr Ala Val Leu Lys Gln Ala Ile Lys
        115                 120                 125
Arg Thr Asp Leu Asp Trp Pro Glu Lys Ile Met Gln Val Tyr Ile Ala
    130                 135                 140
His Cys Glu Asp Tyr Glu Asp Ser Asp Glu Leu Gln Gln Ala Ile Leu
145                 150                 155                 160
Glu Thr Arg Lys Ala Met Lys Ala Ile Thr Ala Arg Arg Glu Lys Glu
                165                 170                 175
Ala Ala Ala Ala Leu Gln Gln Gln Gln Gln Ala Ala Ala Asn Tyr Ala
            180                 185                 190
Ser Gln Ala Glu Lys Arg Lys Arg Gln Asp Asp Thr Gly Val Asn Gly
        195                 200                 205
Tyr Pro Ser Ser Lys Lys Ala Arg Ala Glu Glu Pro Thr Pro Ala Pro
    210                 215                 220
Ala Pro Ala Ala Pro Gln Pro Glu Pro Val Ala Leu Arg Arg Asp Arg
225                 230                 235                 240
Glu Asn Ala Thr Val Val Val Lys Asn Leu Pro His His Ile Thr Glu
                245                 250                 255
His Arg Val Arg Gln Phe Phe Arg His Val Ser Phe Leu Pro Trp Phe
            260                 265                 270
Pro Val Val Phe Thr Thr Ser Ser Asn Leu Asp Ser Ala Gly Gln Ser
        275                 280                 285
Lys Ala
    290
```

<210> 22311
<211> 183
<212> PRT
<213> A.fumigatus

<400> 22311

```
Thr Cys Gly Pro Ser Arg Val Ala Gly Tyr Val Asp Pro Ala Ser Thr
1               5                   10                  15
Gln Gln Gly Ser Leu Ala Trp Ala Glu Met Leu Phe Ser Asp Thr Cys
            20                  25                  30
Ile Ile Leu Ser Pro Asp Lys Glu Val Leu Ala Ser Leu Glu Gln Lys
        35                  40                  45
Leu Lys Glu Ile Asp Glu Glu Cys Arg Gly Glu Glu Ser Arg Arg Val
    50                  55                  60
Asp Leu Glu Leu Ser Ile Met Glu Val Lys Asp Asn Leu Lys Lys Ala
65                  70                  75                  80
Glu Ala Gly Pro Val Thr Leu Gly Thr Thr Val Asp Thr Thr His Leu
                85                  90                  95
Glu Asn Val Ser Pro Arg Val Ser Ala Gly Thr Ala Ala Ser Gly Leu
            100                 105                 110
Leu Ala Gly Leu Pro Gly His Gly Leu Gly Trp Val Gly His Ile Ser
        115                 120                 125
Leu Pro Leu Thr Gln Pro Leu Leu Ser Ser Tyr Asn His Ser Pro Lys
    130                 135                 140
Leu Ser His Leu Pro Leu Pro Gln Thr Val Pro Gln Ser Thr Leu Gln
145                 150                 155                 160
Pro His Ser Arg Thr Gly Leu Ser Arg Ser Trp Ser Gln Ala Lys Ala
```

```
                165                 170                 175
Leu Tyr Ser Arg Lys Pro Arg
            180
```

<210> 22312
<211> 90
<212> PRT
<213> A.fumigatus

<400> 22312

```
Leu Val Arg Glu Gly Leu Glu Gly Ala Lys Ser Pro Thr Gly Phe Leu
1               5                  10                  15
Phe Leu Arg Gln Ser Cys Ser Val Ala Gln Ala Gly Val Gln Trp Arg
            20                  25                  30
Asp Leu Gly Ser Leu Gln Pro Leu Pro Pro Gly Phe Lys Arg Phe Ser
        35                  40                  45
Cys Leu Ser Leu Leu Ser Ser Trp Asp Tyr Arg His Pro Pro Pro Cys
    50                  55                  60
Pro Ala Asn Phe Cys Ile Phe Ser Arg Asp Gly Ile Ser Pro Cys Trp
65                  70                  75                  80
Pro Gly Trp Ser Arg Thr Pro Gly Leu Lys
                85                  90
```

<210> 22313
<211> 71
<212> PRT
<213> A.fumigatus

<400> 22313

```
Val Ala Gly Ile Thr Gly Ile Arg His His Val Gln Leu Ile Phe Val
1               5                  10                  15
Phe Leu Val Glu Met Gly Phe His His Val Gly Gln Asp Gly Leu Glu
            20                  25                  30
Leu Leu Ala Leu Ser Asp Leu Pro Ala Ser Ala Ser Gln Ser Thr Gly
        35                  40                  45
Ile Thr Gly Val Asn His Arg Thr Gln Leu Glu Leu Tyr Phe Phe Lys
    50                  55                  60
Leu Gln Ser Ser Lys His Tyr
65                  70
```

<210> 22314
<211> 85
<212> PRT
<213> A.fumigatus

<400> 22314

```
Ser Gln Leu Leu Arg Arg Leu Arg Gln Glu Asn Arg Leu Asn Pro Gly
1               5                  10                  15
Gly Arg Gly Cys Ser Asp Pro Arg Ser Arg His Cys Thr Pro Ala Trp
            20                  25                  30
Ala Thr Glu Gln Asp Cys Leu Lys Lys Arg Lys Pro Val Gly Asp Phe
        35                  40                  45
Ala Pro Ser Arg Pro Ser Leu Thr Ser Gln Leu Ser Leu Ser Ser Asn
    50                  55                  60
Leu His Arg Cys Ser Cys Leu Phe Ile His Leu Tyr Asn Leu Asn Lys
65                  70                  75                  80
```

His Lys Val Thr Pro
85

<210> 22315
<211> 172
<212> PRT
<213> A.fumigatus

<400> 22315
Thr Glu Ile Pro Gly Asp Thr Asn Ser Pro Ile Arg Pro Thr Gln Cys
1 5 10 15
Pro Thr Thr Lys Arg Asn Tyr Thr Val Gln Asp Pro Cys Thr Asn Cys
20 25 30
His Tyr Leu Pro Ala Thr Ala Thr Leu Phe Tyr Trp Pro Val Ser Thr
35 40 45
Thr Gly Gly Asp Leu Cys His Gln Asn Gly Thr Thr Val Pro Ala Thr
50 55 60
Ala Thr Gly Asn Gly Pro Asn Thr Ala Val Val Asn Gly His Thr Phe
65 70 75 80
Ile Ser Pro Ser Ile Tyr Val Ser Phe Thr Ser Ile Tyr Ala Arg Ser
85 90 95
Asn Gln Arg Ala His Pro Gly Gly Ser Cys Gly Gly Glu Tyr Glu Asp
100 105 110
Val Ile Ile Ser Val Asn Pro Glu Ala Val Thr Ser Tyr Arg Asn His
115 120 125
Leu Asn Ala Lys Tyr Pro Arg Ile Gly Thr Ala Tyr Pro Phe Asn Phe
130 135 140
Ala Glu Phe Gln Pro His Val Val Gly Asn Tyr Ser Val Pro Leu Ile
145 150 155 160
Pro Cys Phe Lys Arg Arg Asp Trp Lys Val Val Val
165 170

<210> 22316
<211> 60
<212> PRT
<213> A.fumigatus

<400> 22316
Arg Leu Thr Arg Tyr Pro Ser Asp Ser Asp His Pro Thr Ile Thr Thr
1 5 10 15
Leu Phe Asn His Ile His Phe Trp Glu Asp Ile Thr Ile Leu Phe His
20 25 30
Phe Thr Ile Pro Thr Phe Pro Arg Leu His Leu Tyr Ile Thr Ser Pro
35 40 45
Ser Ser Tyr Ser Glu Gln Ser Thr Ser Glu Pro Gln
50 55 60

<210> 22317
<211> 107
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (44),(76),(77)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22317
Thr Ile Asn Ile Arg Ala Thr Met Lys Phe Ser Pro Ala Tyr Leu Leu
1 5 10 15
Ala Phe Ala Pro Ile Val Ala Ala His Phe Arg Leu Gln Tyr Pro Thr
20 25 30
Ser Arg Gly Phe Asn Ala Asp Thr Met Ala Asn Xaa Pro Cys Gly Glu
35 40 45
Leu Ala Gln Ser Ser Asn Arg Thr Gln Val Ser Leu Ser Ser Gly Ser
50 55 60
Phe Pro Val Ala Leu Arg Met Gly His Asp Glu Xaa Xaa Cys Glu Val
65 70 75 80
Leu Leu Ala Leu Gly Asn Glu Ser Gly Ser Asn Phe Lys Ile Thr Leu
85 90 95
His Pro Thr Phe Arg Ile Glu Gly Leu Gly Glu
100 105

<210> 22318
<211> 62
<212> PRT
<213> A.fumigatus

<400> 22318
Lys Asn Lys Phe Phe Gly Asp Thr Val His Tyr Val Ser Val Gln Thr
1 5 10 15
Ala Gln Ile Gly Lys Asp Val Pro Leu Pro Met Cys Ser Ala Thr Ala
20 25 30
Gln Lys Asn Ala Glu Leu Asn Ile Asn Lys Ala Ile Phe Ala Cys Leu
35 40 45
His Leu Thr Arg Ile Glu Arg Tyr Asn Lys Tyr Glu His Tyr
50 55 60

<210> 22319
<211> 63
<212> PRT
<213> A.fumigatus

<400> 22319
Pro Leu Asn Val Ser Cys Phe Val Val Leu Lys Tyr Ile Tyr Ser Tyr
1 5 10 15
Leu Ile Lys Ser Asn Met Gln Leu Gly Ile Asn Tyr Ile Asn Lys Leu
20 25 30
Asp Phe Leu Lys Ala Tyr Leu Lys Ala Tyr Ile Glu Ala Phe Lys Leu
35 40 45
Glu Asn Ile Lys Asn Ser Phe Thr Val Thr Arg Leu Val Leu Phe
50 55 60

<210> 22320
<211> 232
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (201)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22320
Gly Gly His Ser Leu Ser Leu Ala Glu Leu Gly Ser Leu Phe Ser Arg
1 5 10 15
Glu Phe Gly Phe Arg Val Pro Ile Ala Arg Leu Ala Lys Asn Ser Thr
20 25 30
Leu Thr Gly His Leu Gln Thr Val Arg Ala Ile Arg Asp Gly His Thr
35 40 45
Ala Ala Val Gln Ala Asp Leu Pro Ala Val Leu Arg Ala Asp Ala Thr
50 55 60
Leu Asp Glu Asp Ile Arg Pro Ser Gly Asp Val Lys Ile Arg Ser Val
65 70 75 80
Thr Asp Ala Gln Thr Val Leu Leu Thr Gly Val Thr Gly Phe Leu Gly
85 90 95
Ala Phe Leu Leu His Asp Leu Leu Glu Thr Thr Ser Ala His Ile Ile
100 105 110
Cys Leu Val Arg Phe Asn Glu Pro Ala Asp Asp Asp Gln Pro Gly Gly
115 120 125
Val Ala Arg Ile Arg Arg Asn Leu Leu Asp Leu Gly Leu Trp Arg Asp
130 135 140
Ser Ile Met Glu Arg Val Glu Ile Leu Pro Gly Asn Leu Ser Arg Ser
145 150 155 160
Arg Phe Gly Leu Ser Pro Glu Ala Phe Asp Glu Leu Ala Ala Arg Val
165 170 175
Asp Val Ile Val His Ala Ala Ala Thr Val Phe Thr Thr Gly Leu Glu
180 185 190
Glu Gly Val Gln His Lys Ser Asn Xaa Pro Arg His Glu Ser Ala Gln
195 200 205
Leu Ile Tyr Thr Ser His Ile Pro His Gln Phe Ile Leu His Lys Pro
210 215 220
Ile Asp Asn Asn Thr Thr Lys Leu
225 230

<210> 22321
<211> 88
<212> PRT
<213> A.fumigatus

<400> 22321
Ile Cys Thr Cys Phe Thr Gly Ile Leu Thr Ser Leu Leu Leu Thr Leu
1 5 10 15
Phe Pro Phe Thr Pro Thr Tyr Leu Leu Ile Leu Cys Ser Ser Tyr Thr
20 25 30
Thr Leu His Thr Thr Thr Pro Leu Leu His Ser Ile His Ile Arg Ile
35 40 45
Phe Leu Ser Ser Ile Thr Tyr Arg Tyr Val Tyr Thr Leu Pro Val Met
50 55 60
Tyr Ile Asp Ser Ser Pro Pro Pro Phe Thr Tyr Tyr Thr Ser Pro Ser
65 70 75 80
Val Val Arg Met Ser Thr Arg Val
85

<210> 22322
<211> 66
<212> PRT
<213> A.fumigatus

<400> 22322
Asn Met Met Ser His Met Pro Ser Ala Thr Ser Leu Ser Leu Asp Ala
1 5 10 15
Thr Ser Leu Pro Ser Tyr Thr Thr Ser Arg Tyr Thr Leu Ala Leu Leu
20 25 30
Leu Phe Val Thr Arg Arg Leu Ile Pro Pro Tyr His His Ser Leu Pro
35 40 45
Ser Ala Ala Ser Thr Pro Cys Phe Tyr Leu Leu Leu Val Ile Phe Ile
50 55 60
Pro Leu
65

<210> 22323
<211> 159
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (1)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22323
Xaa Thr Arg Tyr Leu Leu Ala Pro Trp Gly Arg Ser Phe Trp Ile Leu
1 5 10 15
Gly Ser Ser Ile Arg Ser Gly Thr Gly Trp Pro Gln Cys Gly Glu Leu
20 25 30
Asp Ile Leu Glu Asn Ile Asn Gly Asn Leu Val Gly Tyr Gly Thr Ala
35 40 45
His Cys Asp Val Asn Pro Gly Gly Ile Cys Asn Glu Pro Asn Gly Leu
50 55 60
Gly Gly Ser Ile Thr Ile Pro Asp Gln Ser Trp His Thr Trp Arg Val
65 70 75 80
Thr Trp Asp Arg Thr Pro Ser Asn Trp Gln Ser Glu Lys Ile Thr Trp
85 90 95
Tyr Met Asp Gly Gln Gln Phe His Gln Ile Thr Gly Ser Gln Ile Gly
100 105 110
Asn Ser Gly Val Trp Ala Thr Leu Cys His Asp Pro Leu Phe Phe Ile
115 120 125
Leu Asn Val Ala Val Gly Gly Tyr Trp Val Ser Pro Val Asn Leu Phe
130 135 140
Leu Leu Ile Ser Pro Leu Ser Glu His Phe His Pro Lys Tyr Ser
145 150 155

<210> 22324
<211> 215
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (170)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22324

```
Leu Thr His Arg Ala Pro Leu Gln Pro Pro Val Lys Thr Phe Leu Ile
1               5                  10                  15
Pro Ser Ser Lys Leu Ala Phe His Asp Pro Ser Thr Asn Thr Tyr Arg
            20                  25                  30
Ser Asp Lys Ser Thr Ser Ala Met Gly Arg Ile Ser Tyr Pro Ala Gly
        35                  40                  45
Leu Asp Ser Pro Ser Arg Gln Leu Leu Gln Asp Leu Thr Arg Asp Leu
    50                  55                  60
Glu Gln Leu Gln Ile His Ser Thr Glu Leu Lys Gln Val Lys Ala Trp
65                  70                  75                  80
Glu Arg Lys Ser Phe Tyr Glu Arg Leu Asp Arg Ile Asp Ser Glu Arg
                85                  90                  95
Glu Ala Ile His Tyr Thr Ala Leu Asp Lys Val Ala Ala Arg His Asp
            100                 105                 110
Gln Val Arg Glu Glu Ala Gln Glu Met Leu Arg Ala His Gln Arg Ala
        115                 120                 125
Val Glu Glu Glu Arg Arg Arg Lys Glu Glu Glu Ala Arg Arg Glu Ala
    130                 135                 140
Glu Arg Leu Glu Arg Glu Arg Ala Glu Lys Leu Arg Arg Glu Gln Glu
145                 150                 155                 160
Glu Ala Ala Arg Arg Asp Ala Glu Arg Xaa Ala Ala Glu Glu Ala Lys
                165                 170                 175
Arg Lys Ala Glu Glu Glu Ala Glu Lys Lys Arg Lys Ala Glu Gln Glu
            180                 185                 190
Glu Lys Glu Arg Lys Glu Lys Glu Arg Leu Glu Glu Glu Asn Arg Gln
        195                 200                 205
Arg Gln Ala Glu Ala Gln Lys
    210                 215

<210> 22325
<211> 168
<212> PRT
<213> A.fumigatus

<400> 22325
His Leu Cys Leu Ala Ser Arg Arg Arg Arg Asn His Lys Lys Gln Gly
1               5                  10                  15
Arg Arg Asp Leu Ser Ala Glu Leu His Lys Arg Gly Met Phe Leu Met
            20                  25                  30
Val Asp Thr Val Ile Asn Asn Met Ala Tyr Ile Thr Asn Gly Ser Asp
        35                  40                  45
Pro Ala Thr His Ile Lys Tyr Ser Thr Leu Thr Pro Phe Asp Ser Ser
    50                  55                  60
Ser Tyr Tyr His Pro Tyr Cys Lys Ile Glu Asp Trp Asn Asn Phe Thr
65                  70                  75                  80
Gln Ala Gln Trp Cys Gln Thr Gly Asp Asn Val Val Ala Leu Pro Asp
                85                  90                  95
Leu Tyr Thr Glu His Pro Asp Val Gln Ser Ile Leu Glu Lys Trp Ala
            100                 105                 110
Gln Asp Met Ile Ser Thr Tyr Ser Ile Asp Gly Leu Arg Ile Asp Ala
        115                 120                 125
Ala Lys His Val Asn Thr Gly Phe Leu Ala Asn Phe Gly Lys Ala Leu
    130                 135                 140
Ser Asp Thr Phe Met Thr Gly Glu Val Tyr Gln Gln Glu Val Asp Ile
145                 150                 155                 160
Ile Cys Asp Tyr Lys Asn Asn Tyr
```

165

<210> 22326
<211> 163
<212> PRT
<213> A.fumigatus

<400> 22326
Thr Leu Thr Ser Thr Pro Arg Glu Asp Tyr Cys Ser Pro Lys Cys Val
1 5 10 15
Ser Ser Ser Arg Val Phe Tyr Leu Ser Ser Asn Leu Ile Ala Lys His
20 25 30
Tyr Glu Pro Ser Asp Val Glu Gly Ala Leu Lys Ala Thr Glu Val Ala
35 40 45
Ser Gln Arg Gly Ile Arg Cys Pro Ser Val Arg Lys Ile Ser Lys Asn
50 55 60
His Glu Asn Val Tyr Val Gly Met Asn Arg Val Glu Gly Thr Thr Leu
65 70 75 80
Asp Val Ile Trp Lys Glu Leu Gly Trp Phe Met Thr Val Lys Leu Gly
85 90 95
Leu Gln Leu Arg Arg Cys Val Lys Ile Asp Arg Ser Ile Thr Ser Pro
100 105 110
Thr Ala Gly Ser Leu Val Thr Gly Glu Cys Arg Ser Phe Trp Arg Asp
115 120 125
Asp Arg Tyr Gly Leu Pro Ala Asn Ser Gly Pro Ala Glu Ile Ala His
130 135 140
Phe Cys Gln Val Leu Gly Glu Leu Tyr Leu His Ala Ser Ser Asn Ala
145 150 155 160
Tyr Leu Ala

<210> 22327
<211> 74
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (47),(52)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22327
Pro Leu Ser Ile Ser Phe Pro Leu His Ser Pro Cys Thr Cys His Gln
1 5 10 15
Cys Phe Gly Arg Leu Asn Thr Glu Ser Glu Pro Arg Tyr Asp Trp His
20 25 30
Cys Ser Leu Ser Ile Gly Asp Gly Glu Ser Lys Pro Ser His Xaa Gln
35 40 45
Asp Thr Trp Xaa Phe Ala Tyr Leu Pro Gly Phe Val Ser Leu Asn Phe
50 55 60
Phe Val Tyr Thr Leu Pro Asn Asp Ser Leu
65 70

<210> 22328
<211> 238
<212> PRT

<213> A.fumigatus

<220>
<221> UNSURE
<222> (1)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22328

```
Xaa Leu Ile Gly Leu Gly Arg Pro Gly Ser Gly Cys Ser Thr Phe Leu
1               5                  10                  15
Lys Thr Leu Ser Gly Glu Leu His Gly Leu Asn Val Asp Glu Lys Thr
            20                  25                  30
Val Leu His Tyr Ser Gly Ile Pro Gln Ser Thr Met Ile Lys Glu Phe
        35                  40                  45
Lys Gly Glu Val Val Tyr Asn Gln Glu Val Asp Lys His Phe Pro His
    50                  55                  60
Leu Thr Val Gly Gln Thr Leu Glu Phe Ala Ala Ala Val Arg Thr Pro
65                  70                  75                  80
Ser Lys Arg Leu Gly Gly Met Ser Arg Asn Glu Tyr Ala Gln Met Met
                85                  90                  95
Thr Lys Val Val Met Ala Val Phe Gly Leu Ser His Thr Tyr Asn Thr
            100                 105                 110
Lys Val Gly Asn Asp Thr Val Arg Gly Val Ser Gly Gly Glu Arg Lys
        115                 120                 125
Arg Val Ser Ile Ala Glu Met Ala Leu Ala Gly Ala Pro Leu Ala Ala
    130                 135                 140
Trp Asp Asn Ser Thr Arg Gly Leu Asp Ser Ala Thr Ala Leu Lys Phe
145                 150                 155                 160
Val Glu Ser Leu Arg Leu Ala Ala Asp Leu Asn Ser Ser Ala His Ala
                165                 170                 175
Val Ala Ile Tyr Gln Ala Ser Gln Ala Ile Tyr Asp Leu Phe Asp Lys
            180                 185                 190
Ala Val Val Leu Tyr Glu Gly Arg Gln Ile Tyr Phe Gly Pro Ala Ser
        195                 200                 205
Asn Ala Lys Ala Phe Phe Glu Arg Gln Gly Trp Phe Cys Pro Pro Arg
    210                 215                 220
Ser Thr Thr Gly Asp Phe Leu Thr Ser Val Asp His Pro Ile
225                 230                 235
```

<210> 22329
<211> 85
<212> PRT
<213> A.fumigatus

<400> 22329

```
Gln Pro Gln Val Lys Glu Lys Leu Lys Lys Phe Gln Asn Leu Asp Pro
1               5                  10                  15
Ser Asn Ala Asp Phe Ile Pro Thr Ile Lys Ser Leu Met Ala Asp Leu
            20                  25                  30
Ala Glu His Ile Lys Glu Glu Glu Thr Asn Asp Leu Val Lys Leu Asp
        35                  40                  45
Gln Ala Leu Ser His Asp Asp Ser Val Ser Leu Ser Lys Ser Phe Asp
    50                  55                  60
Arg Thr Lys Ile Val Arg Arg Arg Ala Pro Tyr Tyr Thr Ala Arg Gln
65                  70                  75                  80
Glu Gly Asn Arg Gly
```

85

<210> 22330
<211> 110
<212> PRT
<213> A.fumigatus

<400> 22330
Gln Phe Ser Pro Ile Ala Ala Arg Ser Val Ser Thr Ser Pro Ile Gln
1 5 10 15
Met Ile Gly Arg Ile Thr Asp Thr Val Lys Gln Asp His Arg Glu Ile
20 25 30
Glu Ala Cys Tyr Gln Arg Ile Ile Asn Ala Lys Asp Arg Asp Glu Gln
35 40 45
Thr Arg Tyr Gln Asn Leu Phe Thr Trp Glu Leu Ala Arg His Ser Ile
50 55 60
Gly Glu Glu Leu Val Val Tyr Pro Ala Phe Glu Lys His Leu Pro Asp
65 70 75 80
Gly Ile Ser Ile Ala Glu Lys Asp Arg Arg Glu His Gln Thr Val Phe
85 90 95
Cys Arg Leu Glu Pro Pro Val Ile Glu Thr Asp Asn His Arg
100 105 110

<210> 22331
<211> 68
<212> PRT
<213> A.fumigatus

<400> 22331
Lys Ile Phe Arg Ala Leu Ile Pro Ser Ser Phe Arg Ser Leu Phe Ser
1 5 10 15
Leu Lys Gly Pro Val Gln Lys Ser Leu Val Lys Pro Asn Gln Gly Phe
20 25 30
Gly Gln Ile Ile Pro Phe Thr Pro Thr Ala Val Gly Lys Leu Ser Gln
35 40 45
Arg Phe Ser Gly Leu Ser Gly Val Glu Lys Pro Pro Val Pro Phe Glu
50 55 60
Gly Arg Thr Tyr
65

<210> 22332
<211> 71
<212> PRT
<213> A.fumigatus

<400> 22332
Ser Thr Leu Cys Thr Pro Gly Glu Gln Thr Thr His Ala Ala Met Pro
1 5 10 15
Lys Phe Leu Thr Ser Gln Leu Thr Phe Leu Ile Ala Ser Ser Ile Phe
20 25 30
Ser Tyr Ala Gly Leu Arg Tyr Gly Glu Lys Ile Glu Ala Asn Trp Ser
35 40 45
His Lys Ile Phe Ala Asn Arg Arg Leu Pro Ala Asn Glu Arg Leu Phe
50 55 60
Gly Asn Leu His Leu Thr Ile
65 70

<210> 22333
<211> 79
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (43)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22333
Arg Tyr Thr Met His Met Gln Pro Arg Trp Ala Ile Cys Ile Leu Asn
1 5 10 15
Met Ser Tyr Pro His Leu Thr Val Asn Ser Gln Phe Asn Ser Pro Phe
20 25 30
Asn Met Phe Asp Lys Gly Cys Leu Tyr Val Xaa Gln Arg Trp Arg Leu
35 40 45
Val Leu Thr Arg Ile Glu Ala Ala Phe Arg Ile Ile Glu Trp Leu Gly
50 55 60
Lys Lys Tyr Pro Tyr Ala Asn Thr Gly Asn Ile Leu Ser Glu Thr
65 70 75

<210> 22334
<211> 213
<212> PRT
<213> A.fumigatus

<400> 22334
Val His His Ala Pro Val His Leu Asp Ala Cys Cys Leu Ile Met Ile
1 5 10 15
Trp Ser Phe Phe His Asn Met Ala Pro Leu Ser Pro Ile Leu Thr Asp
20 25 30
Phe Phe Ala Ser His Arg Thr His Tyr Trp Leu Ile Thr Gln Glu Pro
35 40 45
Val Leu Cys Cys Thr Ile Leu Met Ile Ser Ser Arg Tyr His Thr Leu
50 55 60
Pro Gly Pro Ser Gly Ala Thr Arg Gly Phe Phe Ile His Asn Arg Leu
65 70 75 80
Trp Gln His Cys Gln His Leu Ile Leu Arg Ile Met Leu Gly Gln Glu
85 90 95
Lys Phe Ser Lys Ala Lys Thr Arg His Leu Gly Thr Val Glu Ala Leu
100 105 110
Leu Leu Leu Ser Glu Trp Tyr Pro Arg Ala Leu His Phe Pro Pro Glu
115 120 125
Asn Asp Gly Trp Asp Ser Asp Leu Met Leu Thr Ala Pro Ser Glu Arg
130 135 140
Asp Pro Pro Pro Val Thr Glu Glu Ser Pro Met Gln Asp Pro Trp Arg
145 150 155 160
Glu Asp Val Val Glu Pro Thr Arg Arg Ser Asp Arg Met Gly Trp Met
165 170 175
Leu Val Ser Ser Cys Leu Ala Leu Ala His Glu Pro Cys Val Phe Ser
180 185 190
Thr Ser Asn Arg Ser Asp Leu Gly Asp His Arg Ile Val Lys Pro Asp
195 200 205
Val Lys Ala Tyr Val

210

<210> 22335
<211> 186
<212> PRT
<213> A.fumigatus

<400> 22335
Ala Ala Pro Leu Pro Asp Val Ile Val Met Gln Gly Glu Ile Pro Val
1 5 10 15
Asp Thr Val Val Gly Ile Leu Arg Asp Ile Arg Val Trp Lys Ala Asn
20 25 30
Asn Arg Ala Gln Gly Lys Lys Gly Ile Glu Ala Gly Pro Asp Val Ile
35 40 45
Tyr Asn Pro Ala Pro Ala Pro Pro Gly Gly Leu Pro Glu Asp Val Tyr
50 55 60
Thr Ala Val Asp His Ile Ile Met Asn Glu Thr Glu Ala Glu Leu Met
65 70 75 80
Ser Pro Ser Glu Glu His Leu Leu Gln Val Val Pro Gly Val Glu Lys
85 90 95
Glu Ser Arg Asn Glu Lys Val Ala Arg Tyr Phe His Gln Leu Gly Val
100 105 110
Thr Tyr Val Leu Ile Thr Leu Gly Ser Lys Gly Val Trp Tyr Ser Ala
115 120 125
Thr Asp Ala Gly Thr Ser Gly Pro Ala Asp Gly Val Asn Arg Phe Thr
130 135 140
Lys Gln Ile Pro Ala Ala Lys Val Ser Lys Val Leu Asp Thr Thr Ala
145 150 155 160
Ala Gly Asp Thr Phe Val Gly Ala Tyr Ala Val Glu Val Ala Arg Cys
165 170 175
Leu His His Gly Ala Gly Arg Ile Arg Ala
180 185

<210> 22336
<211> 114
<212> PRT
<213> A.fumigatus

<400> 22336
Ile Cys Thr Ser Leu Leu Ile Tyr Leu Ala Leu Val Ile Thr Met Arg
1 5 10 15
Lys Thr Phe Ser Leu Phe Lys Lys Gln Arg Arg Met Pro Ser Tyr Thr
20 25 30
Ser Asn Lys Pro Thr Val Glu Pro Asn Trp Thr Phe Gln Met Ala Leu
35 40 45
Asn Ala Asn Glu Glu Trp Phe Arg Tyr Thr Arg Ser Arg Phe Leu Ser
50 55 60
Asn Gln Thr His Glu Met Ala Ile Arg Tyr Val Lys Phe Asn Met Asp
65 70 75 80
Glu Leu Val Lys His Ala Ala Glu Ser Val Gly Leu Ser Ser Ala Gln
85 90 95
Cys Val Pro Val Glu Lys Ile Pro Glu Gly Asn Phe Asn Lys Asn Leu
100 105 110
Pro Leu

<210> 22337
<211> 81
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (53),(54),(57),(58),(63)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22337
Asp Ile Ile Pro Leu Met Ser Phe Arg Asn Arg Gly Arg Trp Gln Phe
1 5 10 15
Ile Val Phe His Arg Ser His Ile Phe Phe Asp Leu Arg Tyr Tyr Ser
20 25 30
His Thr Leu Asn Leu Glu His Ser Gln Phe Leu Ser Asn Ile Arg Leu
35 40 45
Leu Gly Ala Arg Xaa Xaa Leu Gln Xaa Xaa Thr Asn Arg Pro Xaa Phe
50 55 60
Gly Gly Gly Gly Arg Gly Val Phe Pro Asn Ile Lys Thr Gly Gly Gly
65 70 75 80
Lys

<210> 22338
<211> 71
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (33),(62)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22338
Ile Leu Leu Ser Ser Val His Phe Leu Cys Ile Arg Pro Tyr Leu Asn
1 5 10 15
Pro Trp Asp Ser Leu Leu Thr Asn Ala Leu Leu Asp Arg Glu Ala Thr
20 25 30
Xaa Lys Asp Ile Ala Met Asn Asn Ser Asp Ile Tyr Phe Asn Tyr Ala
35 40 45
Leu Asn Met Val His Trp Leu His Thr Asn Arg Leu Leu Xaa Glu Asn
50 55 60
Asn Cys Val Lys His Arg Ala
65 70

<210> 22339
<211> 206
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (1)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22339
Xaa Ala Phe Gln Glu Met Asp Ala Ile Ser Phe Leu Thr Pro His Thr
1 5 10 15
Lys Phe Ala Val Arg Pro Pro Ser Leu Ala Phe Val Ala Gly Ala Val
20 25 30
Lys Asn Ala Tyr Arg Thr Cys Trp Tyr Gly Arg Pro Gly Pro Thr Phe
35 40 45
Val Asp Leu Pro Ala Asp Leu Ile Gln Gly Lys Ser Ala Pro Gly Phe
50 55 60
His Leu Pro Gln Pro Glu Glu Ile Leu Val Pro Ser Pro Pro Lys Ala
65 70 75 80
Ser Gly Asp Pro Ala Met Ile Leu Lys Ala Ala Gln Leu Leu Lys Ala
85 90 95
Ala Arg Ala Pro Leu Leu Ile Ile Gly Lys Gly Ala Ala Tyr Ala Arg
100 105 110
Ala Glu Gly Gly Ile Arg Lys Leu Val Glu Gln Thr Gln Ile Pro Phe
115 120 125
Leu Pro Thr Pro Met Gly Lys Gly Val Val Pro Asp Ser His Pro Leu
130 135 140
Asn Val Ser Ser Ala Arg Ser Ala Ala Leu Lys His Ala Asp Val Val
145 150 155 160
Leu Val Leu Gly Ala Arg Leu Asn Trp Ile Leu His Phe Gly Glu Pro
165 170 175
Pro Lys Trp Ser Ser Arg Ala Lys Ile Ile Gln Val Asp Ile Cys Ala
180 185 190
Glu Gly Leu His His Gly Ala Gly Arg Ile Arg Gly Gly Ala
195 200 205

<210> 22340
<211> 73
<212> PRT
<213> A.fumigatus

<400> 22340
Val Tyr Asn Phe Leu Leu Phe Ile Ser Phe Lys Tyr Ile His Thr Asn
1 5 10 15
Tyr Ser Val Phe Ile Lys Tyr Ser Ile Ile Ile Leu Leu Tyr Ile Asp
20 25 30
Asn Ile Leu Ile Leu Leu Asn Ser Asn Asn Leu Ile Asn Asn Phe Leu
35 40 45
Lys Gln Leu Gly Lys Leu Phe Lys Tyr Thr Asn Asn Ser Lys Val Ser
50 55 60
Val Tyr Leu Gly Ile Asn Ile Leu Tyr
65 70

<210> 22341
<211> 91
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (71)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22341

Ser Lys His Leu Phe Gly Val Phe Thr Gln Ala Lys Asn Ala Tyr Arg
1 5 10 15
Glu Arg Lys Ala Gln Ile Gln Ser Glu Arg Asn Ala Lys Ile Ala Glu
20 25 30
Arg Glu Ala Leu Arg Ala Leu Gln Asn Tyr His Ile Asp Asp Ala Pro
35 40 45
Pro Ser Val Ala Pro Ser Arg Arg Ser Arg Ser Thr His Ser Arg His
50 55 60
His Arg His Arg Arg Ala Xaa Ser His Tyr Glu Gln Asp Leu His Leu
65 70 75 80
Val Ala Ser Gln Thr Glu Ser Tyr Tyr Ala Ser
85 90

<210> 22342
<211> 104
<212> PRT
<213> A.fumigatus

<400> 22342
Thr Thr Ile Ala Val Val Lys Asp Tyr Pro Arg Pro Leu Val Leu Arg
1 5 10 15
Arg Leu Ala Gly Ser Lys Gln Pro Asn Ile Arg Pro Pro His Ser Glu
20 25 30
Ala Val Asp Asn Ala Ile Gly Ala Val Ser Met Gly Pro Arg Cys Ala
35 40 45
Ser Gly Asp Pro Thr Tyr Leu Ser Ala Leu Ser Gly Thr Ala Ser Tyr
50 55 60
Ala Ser Cys Arg Ser Lys Ile Asn Asn Ser Thr Pro Tyr Arg Thr Thr
65 70 75 80
Leu Ser Pro Gly Asp Pro Leu Ala Pro Ser Arg Leu Tyr Leu Val Gly
85 90 95
Gly Ser Leu His Val Phe Phe Leu
100

<210> 22343
<211> 88
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (31)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22343
Ala Tyr Thr His Phe Asn Ala Tyr Ile Ser Gly Val Pro Leu Asn Asn
1 5 10 15
Ala Leu Leu His Leu Thr Ser Ala Pro Ala Pro Ala His Gly Xaa Ala
20 25 30
Ser Phe Pro Leu Leu Ser Pro Pro Ser Cys Pro Pro Ser Gly Leu Ala
35 40 45
Gln Ser Ile Tyr Thr Thr Ile Thr Arg Ser Pro Pro Ala Arg Asn Asn
50 55 60
Ala Ala Thr Lys Lys Ile Tyr Ser Asn Thr Lys Thr Asn Arg Leu Ala
65 70 75 80
Thr Lys Leu Ser Pro Pro Asp Asn

85

<210> 22344
<211> 61
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (61)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22344
Gly Val Asp Asp Arg Pro Asp Ala Arg Phe Val Leu Gly Phe Ser Leu
1 5 10 15
Ala Val Gly Arg Val Leu Gln Leu Thr Val Cys Ser Ala Gly Lys Tyr
20 25 30
Gln Leu Gln Val Leu Pro Glu Ala Gly His Phe Ile Gln Glu Asp Met
35 40 45
Pro Ala Lys Thr Ala Gln Ile Leu Val Asp Phe Tyr Xaa
50 55 60

<210> 22345
<211> 94
<212> PRT
<213> A.fumigatus

<400> 22345
Lys Leu Thr Tyr Arg Cys Ser Thr Arg Ser Arg Thr Ile Arg Asn Arg
1 5 10 15
Ala Ser Ala Arg Val Ser Val Pro Ser Leu Leu Tyr Lys Glu Glu Thr
20 25 30
Pro Ser Asp Pro Ala Lys Pro Trp Val Trp Arg Thr Asp Leu Ser Ala
35 40 45
Thr Lys Pro Phe Trp Glu Asp Trp Phe Ile Gly Leu Ser Arg Lys Phe
50 55 60
Leu Glu Ala Arg Gly Gly Lys Leu Leu Leu Leu Ala Gly Thr Asp Arg
65 70 75 80
Leu Asp Lys Glu Leu Met Ile Gly Gln Met Gln Gly Leu Phe
85 90

<210> 22346
<211> 291
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (19),(20),(25),(82),(116),(288),(289),(290),(291)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22346
Ser Val Ser Lys Gly Val Pro Ile His Gln Pro Tyr Cys His Ala Val
1 5 10 15
Ser Ala Xaa Xaa Ser Ser Leu Leu Xaa Phe Lys Leu Gly Phe Val Leu
20 25 30

```
Ser Asn Phe Gly Glu Ile Gly Gln Asn Ser Gln Ile Leu Ile Asp Tyr
        35                  40                  45
Phe Val Gly Thr Gly Ala Leu Pro Cys Leu Pro Asp Ala Asn Pro Ala
    50                  55                  60
Glu Trp Met Leu Asp Val Ile Gly Ala Ala Pro Gly Ser His Thr Ser
65                  70                  75                  80
Ile Xaa Trp Phe Glu Thr Trp Arg Arg Ser Pro Glu Tyr Ala Arg Val
                85                  90                  95
Gln Glu His Leu Ala Glu Leu Lys His Glu Arg Arg His Gln Thr Asn
            100                 105                 110
Leu Phe Arg Xaa Thr Ser Gly Gln Lys Arg Glu Asp Lys Asp Ser Tyr
        115                 120                 125
Arg Glu Phe Ala Ala Pro Phe Trp Ala Gln Leu Tyr Gln Val Gln Val
    130                 135                 140
Arg Val Phe Gln Gln Ile Trp Arg Ser Pro Thr Tyr Ile Asn Ser Lys
145                 150                 155                 160
Thr Ala Leu Cys Val Leu Ser Ala Leu Phe Val Gly Phe Ser Leu Phe
                165                 170                 175
His Thr Pro Asn Thr Ile Gln Gly Leu Gln Asn Gln Met Phe Gly Ile
            180                 185                 190
Phe Met Leu Leu Thr Leu Phe Gly Gln Leu Ile Gln Gln Ile Met Pro
        195                 200                 205
His Phe Val Ala Gln Arg Ala Leu Tyr Glu Val Arg Asp Arg Pro Ala
    210                 215                 220
Lys Thr Tyr Ser Trp Lys Ala Phe Leu Ile Ala Asn Ile Val Val Glu
225                 230                 235                 240
Leu Pro Trp Asn Ser Leu Met Ser Val Leu Met Phe Leu Cys Trp Tyr
                245                 250                 255
Tyr Pro Ile Gly Leu Tyr Arg Asn Ala Glu Pro Thr Asp Ala Val His
            260                 265                 270
Leu Arg Val Phe Pro Lys Gly Pro Lys Ile Arg Ala Ser Val Lys Xaa
        275                 280                 285
Xaa Xaa Xaa
    290
```

<210> 22347
<211> 190
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (13),(185),(186),(187),(188),(189),(190)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22347

```
Asn Thr Asn Val Ala Thr Lys Gln Thr Cys Ser Ala Xaa His Pro Ala
1               5                   10                  15
Lys Ser Ala Lys Thr Lys Thr Ala Thr Ala Ser Ser Leu Leu Leu Ser
            20                  25                  30
Gly Pro Ser Phe Thr Lys Ser Lys Tyr Glu Ser Ser Ser Lys Ser Gly
        35                  40                  45
Gly His Pro Pro Thr Ser Thr Pro Arg Pro Leu Ser Ala Cys Tyr Pro
    50                  55                  60
Leu Ser Ser Ser Ala Ser Pro Phe Ser Ile His Pro Thr Pro Ser Lys
65                  70                  75                  80
```

```
Ala Ser Arg Ile Lys Cys Ser Ala Ser Ser Cys Tyr Leu Pro Cys Ser
                85                  90                  95
Ala Ser Leu Ser Asn Lys Ser Cys Arg Ile Ser Ser Pro Ser Ala Arg
            100                 105                 110
Cys Met Lys Ser Ala Thr Asp Leu Gln Lys Pro Thr Leu Gly Lys Pro
        115                 120                 125
Ser Ser Ser Pro Thr Ser Leu Leu Asn Ser Pro Gly Thr Arg Ser Cys
    130                 135                 140
Pro Ser Leu Cys Ser Cys Ala Gly Thr Thr Arg Leu Val Phe Thr Ala
145                 150                 155                 160
Met Pro Asn Gln Leu Met Arg Cys Thr Cys Gly Ser Ser Pro Arg Gly
                165                 170                 175
Arg Arg Ser Ala Gln Ala Leu Lys Xaa Xaa Xaa Xaa Xaa Xaa
            180                 185                 190
```

<210> 22348
<211> 67
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (64)
<223> Identity of amino acid sequences at the above locations are unknown.

```
<400> 22348
Ala Asp Pro Leu Gln Thr Ile Arg Ser Gly Thr Ser Val Glu His Asn
1               5                   10                  15
Val Leu Tyr Glu Tyr Gln Phe Val Ser Thr Gln Asn Val Tyr Met Gly
            20                  25                  30
Gln Ile Gln Thr Glu Thr Ala Cys Val Phe His His Phe Leu Glu His
        35                  40                  45
Asn Val Phe Thr Thr Gly Leu Glu Gly Ser Ala Gly Arg Gln Ser Xaa
    50                  55                  60
Val Val Asn
65
```

<210> 22349
<211> 74
<212> PRT
<213> A.fumigatus

```
<400> 22349
Asn Leu Ala Ser Pro Ser Asp Pro Ser Gly Met Trp Glu Val His Ala
1               5                   10                  15
Arg Val Gly Gly Phe Ala Gly Ser Gln Gln Thr Thr Arg Glu Cys Ala
            20                  25                  30
Lys Thr Pro Glu Thr Val Ile Thr Glu Ala Asp Glu Lys Cys Ile Val
        35                  40                  45
Ala Tyr Met Leu Met His Val Thr Pro Ser Ala Ser Asn Leu Tyr Leu
    50                  55                  60
Glu Asn Thr Trp Leu Trp Val Ser Asp Gln
65                  70
```

<210> 22350
<211> 185

<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (184)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22350
Ala Pro Lys Pro Trp Asp Asp Asp Gln Arg Leu Lys Ala Asp Val Glu
1 5 10 15
Leu Gln Gln Ser Leu Leu Lys Thr Asp Ala Asn Leu Gln Arg Met Phe
20 25 30
Met Glu Ser Leu His Thr Lys Pro Asp Thr Leu Ser Ala Ser Gln Phe
35 40 45
Met Ser Gln Phe Trp Ser Thr Arg Leu His Leu Leu Arg Ala His Ala
50 55 60
Ile Glu Arg Ser Gln Thr Arg Gly Ser Tyr Asn Val Leu Ser Ser Leu
65 70 75 80
Lys Pro Arg Val Glu Asp Asn Val Thr Lys Leu Asn Ile Ser Lys Glu
85 90 95
Gln Ile Gln Leu Ile Phe Ser Gln His Pro Leu Val Lys Arg Val Tyr
100 105 110
Asp Glu Asn Val Pro Lys Leu Ser Glu Gln Gln Phe Trp Ser Arg Phe
115 120 125
Phe Gln Ser Arg Leu Phe Lys Lys Leu Arg Gly Glu Arg Ile Ser Glu
130 135 140
Asn Asp Ala Thr Asp Ala Ile Leu Asp Lys Tyr Leu Arg Glu Asp Glu
145 150 155 160
Gln Ala Asn Leu Glu Arg Glu Ala Pro Ala Arg Ser Tyr Thr Asp Gly
165 170 175
Ala Arg Arg Thr Arg Ala Lys Xaa Glu
180 185

<210> 22351
<211> 102
<212> PRT
<213> A.fumigatus

<400> 22351
Ile Leu Ser Arg Asn Ser Thr Ser Gly Gln Val Ala Lys Ala Ser His
1 5 10 15
Leu Tyr Leu Pro Ala Trp Val Lys Ile Ala Met Arg Arg Ser Gly Val
20 25 30
Gln Phe Pro Ser Cys Ala Phe Leu Phe Ser Thr Lys Val Leu Ile Ser
35 40 45
Lys Ala Ala Phe Ser Ser Ile Ser Asn Tyr Phe Cys Tyr Leu Leu Asp
50 55 60
Phe Cys Arg Leu Ser Leu Val Glu Asp Phe Leu Lys Tyr Phe Ile Ile
65 70 75 80
Phe Phe Leu Phe Cys Gly Asn Val Tyr Ile Cys Ala Gly Leu Thr Ser
85 90 95
Tyr Ile Leu Leu Asn Phe
100

<210> 22352

<211> 76
<212> PRT
<213> A.fumigatus

<400> 22352
Ser Ile Val Phe Val Gln Ala Val Glu Ser Phe Ile His Leu Pro Asp
1 5 10 15
Pro Pro Pro Leu Ser Asn Thr Ala Thr Thr Ala Lys Tyr Phe Phe Tyr
20 25 30
Leu Phe Asn Gln Gly Ser Ser Lys Phe Gln His Lys Tyr Ile Gln Asn
35 40 45
Asp Gln Gln Val Phe Ile Tyr Val Thr Arg Leu Ile Ile Asn Val Gly
50 55 60
Leu His His Gly Asp Gly Arg Ile Arg Gly Gly Val
65 70 75

<210> 22353
<211> 62
<212> PRT
<213> A.fumigatus

<400> 22353
Lys Gly Asp Val Ile Met Lys Tyr Thr Ala Asp Glu Ala Arg Ser Leu
1 5 10 15
Lys Ala Tyr Gly Glu Leu Pro Glu His Ala Lys Ile Asn Glu Thr Asp
20 25 30
Thr Tyr Gly His Glu Gly Phe Glu Asp Asn Val Glu Phe Asp Glu Asp
35 40 45
Arg Glu Ser Glu Asp Glu Lys Glu Ile Asp Val Asp Glu Leu
50 55 60

<210> 22354
<211> 293
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (76)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22354
Val Arg Pro Trp Pro Gly Ser Lys Pro Phe Val Phe Tyr Arg Arg Ala
1 5 10 15
Lys Met Gly Ala Phe Trp Phe Pro Leu Lys Arg Glu Gly Leu Val Arg
20 25 30
Ile Pro Thr Leu Leu Phe Gly Ser Glu Pro Gly Gly Trp Pro Phe Ala
35 40 45
Lys Gly Leu Glu Thr Gly Ser Ile Trp Ser Leu Ile Leu Asp Pro Pro
50 55 60
Gly Arg Phe Ser Gly Thr Ala Val Ile Val Glu Xaa Trp Val Thr Val
65 70 75 80
Thr Asn Ala Ile Trp Ile Thr Val Phe Gly Leu Leu Met Leu Pro Thr
85 90 95
Ala Leu Leu Phe Val Arg Val Tyr Gly Glu Leu Glu Phe Gly Phe Ser
100 105 110

```
Leu Ile Lys Ile Met Leu Val Ile Gly Ile Asn Ile Met Ala Leu Val
        115                 120                 125
Ile Thr Cys Gly Gly Gly Pro Asp Gly Gln Arg Ile Gly Phe Arg Tyr
    130                 135                 140
Trp Arg Asp Pro Gly Pro Phe Val Gln Tyr Leu Asp Val Pro Gly Ser
145                 150                 155                 160
Trp Gly Gln Phe Leu Gly Phe Trp Thr Thr Leu Asn Asn Ala Leu Tyr
                165                 170                 175
Ala Tyr Ser Gly Met Glu Asn Ile Thr Val Ala Ala Ala Glu Thr Arg
            180                 185                 190
Tyr Pro Arg Gln Ser Ile Pro Lys Ala Ala Arg Arg Ile Phe Ala Arg
        195                 200                 205
Val Phe Leu Phe Tyr Ile Leu Ser Ile Phe Met Val Gly Met Val Val
    210                 215                 220
Pro Ser Asn Asp Pro Thr Leu Leu Arg Ser Thr Gly Asn Ala Ser Gln
225                 230                 235                 240
Ser Pro Phe Val Ile Ala Ala Arg Arg Ala Gly Ile Gln Ala Val Pro
                245                 250                 255
Ser Ile Ile Asn Ala Ala Val Leu Thr Ser Ala Trp Ser Ala Gly Asn
            260                 265                 270
Ser Asn Met Leu Gly Gly Ser Arg Ile Leu Phe Gly Leu Ala Met His
        275                 280                 285
Val Phe Thr Arg Gly
    290
```

<210> 22355
<211> 101
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (32),(62)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22355

```
Ser Pro Cys Asp Ser Phe Ser Pro Gln Lys Pro Tyr Leu Phe Arg Val
1               5                   10                  15
Asp Val Gln Tyr Leu Gly Val Leu Ser Glu Cys Ser Ser Leu Ala Xaa
            20                  25                  30
Arg Val Phe Tyr Glu Lys Lys Tyr Ile Thr Leu Pro Ile Tyr Leu Ser
        35                  40                  45
Leu Arg Tyr Leu Thr Leu Val Lys Phe Ser Glu Gln Ala Xaa Ile Asp
    50                  55                  60
Cys Pro Lys Tyr Ala Glu Asn Leu Pro Ser Trp Ser Arg Thr Pro Val
65                  70                  75                  80
Ser Cys Arg Tyr Ser Pro Lys Met Asn Ala Lys Thr His Leu Arg Ser
                85                  90                  95
Ser Ala Leu Lys Arg
            100
```

<210> 22356
<211> 74
<212> PRT
<213> A.fumigatus

<400> 22356
Ser Pro Ala Val Leu Ile Val Trp Trp Ala Trp Thr Met Leu Lys Tyr
1 5 10 15
Val Thr Ser Pro Gly Met Arg Leu Ile Ile Ile Pro Asp Gln Tyr Asp
20 25 30
Ile Leu Cys Leu Thr Leu Phe Thr Val Met Ile Ile Met Val Asn Ser
35 40 45
Thr Cys Tyr Pro Gln Asn Val Glu Gly Tyr Val Lys Leu Thr Gln Thr
50 55 60
Arg Ala Lys Ala Phe Met Arg Arg Cys Leu
65 70

<210> 22357
<211> 68
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (4),(5),(6),(7),(8),(9),(10),(11),(12),(13)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22357
Glu Pro Leu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Arg Gln Tyr
1 5 10 15
Gln Lys Tyr Tyr Val Asp Arg Val Leu Val Met Asp Asp His Thr Ile
20 25 30
Asn Tyr His Glu Ala Val Ser Tyr Ser Thr Phe Leu Glu Thr Leu Leu
35 40 45
Leu Leu Tyr Ile Ser Met Thr Ser Val Arg Ala Met Pro Gln Ser Pro
50 55 60
Leu Arg Pro His
65

<210> 22358
<211> 152
<212> PRT
<213> A.fumigatus

<400> 22358
Lys Glu Asn Lys Arg Lys Ile Asn Gly Lys Ile Asn Gly Lys Ile Asn
1 5 10 15
Gly Lys Ile Asn Gly Lys Ile Asn Gly Lys Ile Asn Gly Lys Ile Asn
20 25 30
Gly Lys Ile Thr Gly Lys Ile Asn Gly Lys Ile Asn Gly Lys Ile Asn
35 40 45
Gly Lys Ile Asn Gly Lys Ile Asn Gly Lys Ile Asn Gly Lys Ile Asn
50 55 60
Gly Lys Ile Asn Gly Lys Ile Asn Gly Lys Ile Asn Gly Lys Ile Asn
65 70 75 80
Gly Lys Ile Asn Gly Lys Ile Asn Gly Lys Ile Asn Gly Lys Ile Asn
85 90 95
Gly Lys Ile Asn Gly Lys Thr Lys Thr Gly Asn Lys Gly Glu Lys Pro
100 105 110
Tyr Gln Ala Phe Leu Arg Thr Glu Pro Ser Val Ile Arg Val Glu Tyr
115 120 125

```
Val Asn Leu Thr Val Leu Phe Gln Pro Asn His Glu Arg Asp Ile His
    130                 135                 140
Ile Thr Leu Leu Ala Gln Phe Lys
145                 150
```

<210> 22359
<211> 191
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (182),(184),(188),(191)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22359

```
Phe Glu Leu Cys Gln Glu Cys Asn Val Asp Val Ser Leu Met Val Arg
1               5                   10                  15
Leu Lys Glu Asn Gly Gln Ile Tyr Ile Phe Asn Ser Asp Asn Arg Trp
            20                  25                  30
Phe Arg Ser Gln Glu Gly Leu Val Gly Phe Leu Ser Phe Ile Pro Cys
        35                  40                  45
Phe Arg Phe Ser Ile Tyr Phe Ser Ile Tyr Phe Ser Ile Tyr Phe Ser
    50                  55                  60
Ile Tyr Phe Ser Ile Tyr Phe Ser Ile Tyr Phe Ser Ile Tyr Phe Ser
65                  70                  75                  80
Ile Tyr Phe Ser Ile Tyr Phe Ser Ile Tyr Phe Ser Ile Tyr Phe Ser
                85                  90                  95
Ile Tyr Phe Ser Ile Tyr Phe Ser Ile Tyr Phe Ser Ile Tyr Phe Ser
            100                 105                 110
Ile Tyr Phe Ser Ser Tyr Phe Ser Ile Tyr Phe Ser Ile Tyr Phe Ser
        115                 120                 125
Ile Tyr Phe Ser Ile Tyr Phe Ser Ile Tyr Phe Ser Ile Tyr Phe Ser
    130                 135                 140
Ile Tyr Phe Pro Phe Val Phe Leu Leu Phe Ser Phe Tyr Pro Thr Pro
145                 150                 155                 160
Arg Pro Phe Tyr Ser Phe Leu Phe Leu Leu Leu Asn Phe Gly Ala Ile
                165                 170                 175
Leu Met Ala Ala Ser Xaa Cys Xaa Ile Leu Tyr Xaa Gly Arg Xaa
            180                 185                 190
```

<210> 22360
<211> 136
<212> PRT
<213> A.fumigatus

<400> 22360

```
Gly Phe Ser Pro Leu Phe Pro Val Phe Val Phe Pro Phe Ile Phe Pro
1               5                   10                  15
Phe Ile Phe Pro Phe Ile Phe Pro Phe Ile Phe Pro Phe Ile Phe Pro
            20                  25                  30
Phe Ile Phe Pro Phe Ile Phe Pro Phe Ile Phe Pro Phe Ile Phe Pro
        35                  40                  45
Phe Ile Phe Pro Phe Ile Phe Pro Phe Ile Phe Pro Phe Ile Phe Pro
    50                  55                  60
Phe Ile Phe Pro Phe Ile Phe Pro Phe Ile Phe Pro Val Ile Phe Pro
```

```
65                  70                  75                  80
Phe Ile Phe Pro Phe Ile Phe Pro Phe Ile Phe Pro Phe Ile Phe Pro
                85                  90                  95
Phe Ile Phe Pro Phe Ile Phe Pro Phe Ile Phe Leu Leu Phe Ser Phe
            100                 105                 110
Tyr Phe Pro Phe Thr Pro His Pro Val Leu Phe Ile Leu Ser Phe Ser
        115                 120                 125
Phe Cys Ser Ile Ser Gly Leu Tyr
    130                 135
```

<210> 22361
<211> 176
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (153),(154),(158),(161),(164),(166),(169)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22361

```
Gln Met Val Pro Phe Ala Gly Arg Leu Gly Arg Val Ser Leu Leu Tyr
1               5                   10                  15
Ser Leu Phe Ser Phe Phe His Leu Phe Phe His Leu Phe Phe His Leu
            20                  25                  30
Phe Phe His Leu Phe Phe His Leu Phe Phe His Leu Phe Phe His Leu
        35                  40                  45
Phe Phe His Leu Phe Phe His Leu Phe Phe His Leu Phe Phe His Leu
    50                  55                  60
Phe Phe His Leu Phe Phe His Leu Phe Phe His Leu Phe Phe His Leu
65                  70                  75                  80
Phe Phe His Leu Phe Phe Gln Leu Phe Phe His Leu Phe Phe His Leu
                85                  90                  95
Phe Phe His Leu Phe Phe His Leu Phe Phe His Leu Phe Phe His Leu
            100                 105                 110
Phe Phe His Leu Phe Ser Phe Cys Phe Pro Phe Ile Phe Leu Leu Pro
        115                 120                 125
His Thr Pro Ser Phe Leu Phe Phe Pro Phe Pro Phe Ala Gln Phe Arg
    130                 135                 140
Gly Tyr Thr Asn Gly Arg Lys Tyr Xaa Xaa Tyr Pro Val Xaa Arg Ala
145                 150                 155                 160
Xaa Met Cys Xaa Val Xaa Ala Gly Xaa Ser Asn Ile Tyr Gly Arg Arg
                165                 170                 175
```

<210> 22362
<211> 162
<212> PRT
<213> A.fumigatus

<400> 22362

```
His Leu Val Phe Asp Gln Leu Ala Asp Glu Phe Ser Phe Gln Asp Leu
1               5                   10                  15
Phe Asn Arg Ile Gly Pro Val Ser Asn Leu Ser Leu Val Tyr Asp Arg
            20                  25                  30
Ala Gly Arg Ser Glu Gly Val Ala Tyr Val Thr Tyr Asn Arg Ala Asn
        35                  40                  45
```

```
Asp Ala Arg Thr Ala Ile Ala Glu Phe Asp Gly Ala Asn Ala Lys Gly
    50                  55                  60
Gln Pro Ile Arg Leu Thr Leu Val Ala Ser Gly Pro Gly Arg Arg Gly
65                  70                  75                  80
Arg Asn Pro Phe Asp Asn Val Glu Arg Pro Lys Gly Ser Leu Phe Asp
                85                  90                  95
Arg Ile Glu Arg Pro Arg Asp Ala Arg Ser Leu Ser Pro Gly Ser Glu
            100                 105                 110
Asn Gly Asp Val Glu Gly Gly Ala Arg Arg Arg Arg Gly Arg Arg Ser
        115                 120                 125
Gly Gly Gly Ala Gly His Arg Arg Ser Asp Val Ser Lys Pro Ala Pro
    130                 135                 140
Glu His Ile Asp Arg Tyr Val Pro Gly Gln Arg Ser Pro Val Arg Arg
145                 150                 155                 160
Ser Thr
```

<210> 22363
<211> 154
<212> PRT
<213> A.fumigatus

<400> 22363

```
Val Gln Leu Lys Arg Gly Ser Val Gln Pro Arg Gly Glu Asp Cys Leu
1               5                   10                  15
Ser Pro Ala His Val Pro Ala Ile Leu Ala Lys Ser Val Val His Ile
            20                  25                  30
Leu Lys Gly Cys Asn Glu Tyr His Ser Gly Glu Trp His Ser Ser Pro
        35                  40                  45
Arg His Asp Gly Val Gly Thr Ser Asp Tyr Pro Ala Pro Gln Pro Leu
    50                  55                  60
Phe Ile Gly Phe Thr Phe Trp Arg Glu Pro Thr Ser Leu Gln Gly Leu
65                  70                  75                  80
Gln Asn Gln Met Phe Ala Ile Phe Met Leu Leu Val Ile Phe Pro Asn
                85                  90                  95
Leu Val Gln Gln Met Met Pro Tyr Phe Val Thr Gln Arg Ala Leu Tyr
            100                 105                 110
Glu Val Arg Glu Arg Pro Ser Lys Ala Tyr Ser Trp Lys Ala Phe Met
        115                 120                 125
Leu Ala Ser Ile Leu Val Glu Leu Pro Trp Asn Ile Leu Met Ala Val
    130                 135                 140
Pro Ala Tyr Phe Cys Trp Tyr Tyr Pro Ile
145                 150
```

<210> 22364
<211> 101
<212> PRT
<213> A.fumigatus

<400> 22364

```
Leu Arg Ser His His Cys Leu Arg Pro Pro Gln Asp Cys Gly Lys Phe
1               5                   10                  15
Glu Asn Gln Val Ile Glu Ala His Asn Val Ala Ile His Ile Ala Asn
            20                  25                  30
Ile Lys Gln Leu His Trp Arg Leu Thr Cys Asp Thr Pro Tyr Leu Ser
        35                  40                  45
```

Leu Leu Phe Arg Val Thr Asp Thr Val Phe Ser Asp Leu Phe Ser Ala
50 55 60
Thr Thr Thr Tyr Ile Tyr Gly Ile Glu Tyr Gly Met Arg Leu Tyr Leu
65 70 75 80
His Gln Ile Ala Ser Val Phe Thr Thr Gly Val Glu Gly Ser Ala Leu
85 90 95
Ser Val Met Ala Ile
100

<210> 22365
<211> 150
<212> PRT
<213> A.fumigatus

<400> 22365
Arg Leu Ala Ser Pro Phe Leu Gln Gly Phe Asp Ser Phe Arg Ser Trp
1 5 10 15
Arg Arg Asp Val His Arg Arg Leu Met Glu Trp Gln Glu Ser Ala Pro
20 25 30
Thr Arg Arg Glu Thr Gly Val Gln Phe Ser Val Glu Phe Leu Glu Leu
35 40 45
Asn Tyr Trp Gln Ala Val Ile Met Leu Tyr Gln Gln Ser Leu Thr Val
50 55 60
Pro Ala Glu Leu Ala Ala Glu Leu Thr Pro Ala Glu Asp Val Ser Ser
65 70 75 80
Pro Ser Phe Ser Asn Val Asp Glu Thr Glu Asp Glu Asp Glu Ile Tyr
85 90 95
Tyr Lys Val Ala Glu Ala Gly Gln Lys Val Ile Arg Ile Tyr Arg Gln
100 105 110
Met His Arg Val Arg Leu Val Asn Tyr Thr Tyr Leu Ala Thr His His
115 120 125
Ile Phe Met Ala Gly Met Thr Lys Ser Leu Thr Arg Tyr His Asp Ala
130 135 140
Ala Tyr Thr Leu Leu Gly
145 150

<210> 22366
<211> 127
<212> PRT
<213> A.fumigatus

<400> 22366
Trp Asp Leu Asp Ser Ile Leu Trp Pro Ile Leu His Tyr Gln Ser Gly
1 5 10 15
Ala Asp Phe Asn Glu Asp Tyr Trp Lys Ala Tyr Gln Cys Val Asn Glu
20 25 30
Ile Phe Ala Asp Thr Val Ala Asn Gln Ala Gln Asp Gly Asp Leu Ile
35 40 45
Trp Val His Asp Tyr His Leu Leu Leu Leu Pro Ala Leu Leu Arg Glu
50 55 60
Arg Leu Lys Ser Gln Gly Lys Thr Cys Arg Ile Gly Phe Thr Leu His
65 70 75 80
Thr Pro Phe Pro Ala Gly Asp Phe Trp Arg Ser Leu Pro Val Glu Lys
85 90 95
Glu Leu Leu Lys Gly Val Leu Ala Cys Asp Val Ile Gly Phe His Thr
100 105 110

```
Glu Glu Tyr Lys Arg Asn Phe Thr Glu Ala Cys Glu Gln Cys Val
        115                 120                 125

<210> 22367
<211> 83
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (2),(8)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22367
Ser Xaa Ala Leu Gln Arg Arg Xaa Gly Asp Cys Pro Val Arg Leu Glu
1               5                  10                  15
Pro Leu Asp Asp Leu Lys Trp Phe Gly Trp Pro Gly Ile Asn Ile Pro
            20                  25                  30
Asp Pro Glu Glu Gln Lys Lys Ala Ala Asp Ala Leu Glu Glu Lys Gly
        35                  40                  45
Ala Lys Gly Ile Phe Leu Glu Glu Lys Leu Gly His Ala His Tyr Asn
    50                  55                  60
Gly Phe Ser Ser Pro Leu Pro Lys Pro Asp Phe Gly Arg Pro Arg Ala
65                  70                  75                  80
Asp Gly Ile


<210> 22368
<211> 155
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (153),(154)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22368
Ala Ser Gln Glu Pro Gly Glu Asp Val Ser Asp Trp Val Tyr Ser Ala
1               5                  10                  15
His Ser Leu Pro Gly Arg Gly Leu Leu Ala Leu Pro Ala Gly Arg Glu
            20                  25                  30
Gly Thr Ala Gln Gly Cys Ser Cys Val Arg Arg Asp Trp Leu Pro Tyr
        35                  40                  45
Gly Arg Val Gln Ala Glu Phe Tyr Arg Gly Val Arg Thr Val Cys Val
    50                  55                  60
Gly Thr Asn Ala Cys Asn Pro Asp Trp Val Ala Leu Thr Val Asn Arg
65                  70                  75                  80
Gly Ala Gln Ala Thr Asp Ser Asn Gly Ile Thr Phe Asp Asp His Cys
                85                  90                  95
Ala His Val Gly Val Phe Val Val Gly Ile Asp Pro Gln Lys Phe Asp
            100                 105                 110
Asp Ala Leu Arg Asp Asp Ala Val Ile Lys Arg Ile Gln Glu Leu Asp
        115                 120                 125
Glu Gln Tyr Arg Asp Lys Ile Val Ile Ala Gly Val Asp Arg Leu Ser
    130                 135                 140
```

```
Thr Ala Ser Asn Glu Arg Leu Gln Xaa Xaa Arg
145                 150                 155

<210> 22369
<211> 110
<212> PRT
<213> A.fumigatus

<400> 22369
Trp Arg Gly Ser Phe Gln Pro Arg Gly Glu Asp Gly Pro Ala Tyr Phe
1               5                   10                  15
Phe Ala Met Val Glu His Leu Val Ala Ser Ala Thr Ala Leu Gly Leu
            20                  25                  30
Ser Lys Glu Gln Ala Thr Arg Leu Ala Ala Gln Thr Cys Leu Gly Ala
        35                  40                  45
Gly Lys Met Leu Val Glu Ser Ser Glu Glu Pro Ala Gln Leu Arg Lys
    50                  55                  60
Asn Val Thr Ser Pro Asn Gly Thr Thr His Ala Ala Leu Gln Thr Phe
65                  70                  75                  80
Glu Ser Leu Asn Phe Lys Glu Ile Val Asp Lys Ala Val Gln Ala Ala
                85                  90                  95
Thr Ser Arg Ala Ala Glu Leu Gly Glu Thr Leu Gly Lys Leu
            100                 105                 110

<210> 22370
<211> 67
<212> PRT
<213> A.fumigatus

<400> 22370
Arg Arg Pro Arg Thr Leu Gln Ser Ile Gln Ser Ile Gln Thr Ser Ile
1               5                   10                  15
His Ser Lys His Cys Ser Leu Ser Pro Val Leu Thr Asn Thr Asn Ile
            20                  25                  30
Glu Leu Gly Thr Thr Ala Ser Lys Thr Thr Arg Thr Ser Ile Thr Ile
        35                  40                  45
Ser Leu Pro Leu Thr Thr Pro Pro Ser His Phe Ile Ser Ile Glu Gln
    50                  55                  60
Val Ser Pro
65

<210> 22371
<211> 172
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (94)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22371
Asp Arg Thr Ser Arg Gly Ser Phe Gln Pro Arg Gly Glu Asp Phe Asp
1               5                   10                  15
Gly Tyr His His Thr Ser Ala Gly Asp Pro Ile Val Leu Pro Asn Val
            20                  25                  30
```

```
Val Cys Cys His Glu Ile Asp Asp Gly Ile Leu Trp Lys His Thr Asn
        35                  40                  45
Tyr Arg Thr Gln Asn Ala Val Val Thr Arg Ser Arg Ile Leu Val Leu
    50                  55                  60
Gln Thr Ile Ile Thr Val Gly Asn Tyr Glu Tyr Ile Phe Ala Phe Gln
65                  70                  75                  80
Phe Thr Gln Asp Ala Ser Val Thr Tyr Glu Val Arg Ala Xaa Gly Ile
                85                  90                  95
Leu Ser Thr Ala Pro Ile Asn Leu Gly Gln Thr Val Pro Tyr Gly Thr
            100                 105                 110
Ile Val Ala Pro Gly Val Met Ala Pro Tyr His Gln His Leu Phe Ser
        115                 120                 125
Leu Arg Ile Asp Pro Ala Ile Asp Gly His Met Asn Ser Leu Met Val
    130                 135                 140
Glu Glu Ser His Ala Met Pro Leu Asn Asp Pro Ser Val His Asn Pro
145                 150                 155                 160
Phe Trp Ser Gly Ile His Asn Trp Glu Pro His Arg
                165                 170
```

<210> 22372
<211> 135
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (1)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22372

```
Xaa Ser Glu Val Val Gly Leu Asp Pro Ser Cys Leu Ala Gly Ser Phe
1               5                   10                  15
Phe Phe Pro Phe Gly Cys Ile Val Arg Phe Leu Phe Ala Ser Cys Leu
            20                  25                  30
Phe Cys Cys Phe Arg Gly Arg Leu Leu Phe Phe Phe Leu Leu Val Val
        35                  40                  45
Phe Leu Phe Leu Phe Phe Ser Phe Trp Phe Cys Leu Pro Val Val Leu
    50                  55                  60
Phe Val Ala Leu Leu Leu Pro Cys Leu Pro Ala Trp Leu Phe Pro Phe
65                  70                  75                  80
Ser Val Ser Ala Arg Phe Phe Ala Gly Ser Cys Leu Cys Phe Ser Pro
                85                  90                  95
Phe Cys Ser Ser Ser Cys Leu Phe Val Phe Phe Phe Leu Ser Ser Leu
            100                 105                 110
Gly Leu Val Phe Phe Leu Leu Gly Phe Leu Cys Phe Leu Leu Val Leu
        115                 120                 125
Val Phe Gly Ile Leu Gly Pro
    130                 135
```

<210> 22373
<211> 165
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE

<222> (165)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22373
Thr Lys Lys Ile Ile Lys Lys Thr Thr Arg Gly Asn Lys Glu Gln Arg
1 5 10 15
Lys Lys Arg Gly Arg Gln Thr Gln Gln Arg Lys His His Tyr Gly Pro
20 25 30
Asn Ile Pro Asn Thr Lys Thr Arg Arg Lys Gln Arg Lys Pro Arg Arg
35 40 45
Lys Lys Thr Arg Pro Arg Glu Asp Lys Lys Lys Lys Thr Lys Arg Gln
50 55 60
Glu Glu Glu Gln Lys Gly Glu Lys Gln Arg Gln Glu Pro Ala Lys Lys
65 70 75 80
Arg Ala Glu Thr Glu Asn Gly Asn Asn Gln Ala Gly Arg Gln Gly Ser
85 90 95
Asn Lys Ala Thr Lys Arg Thr Thr Gly Arg Gln Asn Gln Lys Glu Lys
100 105 110
Lys Arg Lys Arg Lys Thr Thr Lys Arg Lys Lys Lys Arg Arg Arg Pro
115 120 125
Arg Lys Gln Gln Asn Lys Gln Glu Ala Asn Arg Lys Arg Thr Ile Gln
130 135 140
Pro Lys Gly Lys Lys Lys Glu Pro Ala Arg Gln Glu Gly Ser Arg Pro
145 150 155 160
Thr Thr Ser Leu Xaa
165

<210> 22374
<211> 162
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (160)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22374
Ser Lys Arg Gln Pro Glu Glu Thr Lys Ser Lys Gly Lys Lys Gly Ala
1 5 10 15
Asp Lys Arg Asn Lys Gly Asn Thr Thr Thr Ala Pro Ile Ser Gln Thr
20 25 30
Leu Arg Gln Glu Gly Asn Lys Gly Ser Arg Glu Glu Lys Arg Gln Asp
35 40 45
Gln Glu Arg Thr Arg Arg Arg Lys Gln Lys Gly Arg Lys Lys Asn Lys
50 55 60
Lys Gly Lys Ser Lys Gly Arg Asn Arg Arg Lys Asn Glu Gln Arg Arg
65 70 75 80
Arg Thr Gly Thr Thr Arg Gln Gly Asp Arg Gly Ala Thr Lys Gln Arg
85 90 95
Lys Glu Arg Gln Glu Asp Lys Thr Arg Lys Arg Lys Lys Glu Arg Gly
100 105 110
Arg Gln Pro Lys Gly Lys Lys Arg Glu Asp Asp Leu Glu Asn Asn Lys
115 120 125
Thr Ser Arg Arg Arg Thr Glu Asn Gly Gln Tyr Asn Arg Lys Gly Lys
130 135 140

```
Arg Lys Asn Pro Gln Asp Lys Arg Gly Arg Gly Pro Pro Pro His Xaa
145                 150                 155                 160
Thr Lys


<210> 22375
<211> 217
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (190),(192),(194),(195)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22375
Asn Asp Ile Leu Met Glu Tyr Thr Glu Phe Trp Asn Glu Pro Ala Thr
1               5                   10                  15
Tyr Asp Leu Gly Ala Ile His Ser Ile Ile Asn Ser Ser Gln Val Leu
            20                  25                  30
His Val Ser Phe Ser Pro Gly Pro Pro Asp Pro Phe Pro Ala Ile Leu
        35                  40                  45
Pro Met Ile Gly Thr Met Gly Ser Phe Asp Tyr Pro Ser Ala Gly Leu
    50                  55                  60
Asp Glu Pro Leu Asp Cys Tyr Leu His Gly Tyr Val Ser Ser Arg Ile
65                  70                  75                  80
Met Asn Leu Ala Arg Lys Ala Glu Gly Asp Gly Leu Pro Val Cys Ile
                85                  90                  95
Ala Ala Ser Arg Val Asp Gly Leu Ile Leu Ser Leu Thr Pro Asn Ser
            100                 105                 110
His Ser Tyr Asn Tyr Arg Ser Ala Ile Leu His Gly Tyr Ala Arg Pro
        115                 120                 125
Val Thr Asp Glu Ala Asp Lys Leu Trp Ala Met Lys Leu Ile Thr Asn
    130                 135                 140
Ser Val Leu Pro Asp Arg Trp Asp His Thr Arg Val Thr Pro Asp Asn
145                 150                 155                 160
Ala Glu Met Ser Ser Thr Val Ile Leu Lys Val Lys Val Val Asp Gly
                165                 170                 175
Ser Gly Lys Ile Arg Asp Gly Gly Val Ser Asp Glu Arg Xaa Asp Xaa
            180                 185                 190
Asn Xaa Xaa Asp Val Thr Thr Arg Val Trp Asn Gly Val Val Pro Val
        195                 200                 205
Leu Glu Leu Ile Gly Arg Pro Cys Ser
    210                 215

<210> 22376
<211> 63
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (14),(15),(17),(19)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22376
```

```
Asn Arg His Asn Thr Val Pro Asp Pro Ser Gly His Ile Xaa Xaa Val
1               5                  10                  15
Xaa Val Xaa Ser Leu Val Gly Asp Thr Thr Ile Ser Asn Leu Ala Thr
            20                  25                  30
Ala Val Asp Asn Phe Asp Phe Lys Asn Asn Ser Arg Arg His Phe Gly
        35                  40                  45
Ile Val Trp Gly Asn Thr Gly Met Val Pro Ala Ile Arg Gln His
    50                  55                  60
```

<210> 22377
<211> 203
<212> PRT
<213> A.fumigatus

<400> 22377

```
Gly Pro Pro Thr Pro Ala Gly Ser Ala Gly Pro Asp Arg Pro Gly Leu
1               5                  10                  15
Gln Ala Arg Ser Ser Ala Val Pro Thr Gln Ser Leu Ser Thr Thr Asp
            20                  25                  30
His Arg Asp His Arg His Gly Arg Arg Leu Ala Arg Arg Pro Val Asp
        35                  40                  45
Lys Glu Ser Gly Pro Ile Pro Gly Leu His Pro Pro Leu Arg Asp Pro
    50                  55                  60
Arg Thr Gly Leu Val Val Tyr Gly Val Arg Glu Lys Ala Asp Leu Phe
65                  70                  75                  80
Ala Cys Gln Phe Phe Pro Pro Pro Pro Gln Ala Ser Leu Asp Asp Leu
                85                  90                  95
Arg Gly Tyr Asp Tyr Pro Glu Pro Leu Ser Val Pro Glu Phe Lys Glu
            100                 105                 110
His Glu Val Leu Cys Ala Leu Arg Ser Val Lys Pro Asp Lys Ala Pro
        115                 120                 125
Gly Pro Asp Arg Ile Thr Asn Arg Val Leu Gln Ala Ala Gly His Val
    130                 135                 140
Leu Val Gln Cys Leu Thr Gly Leu Tyr Asn Gln Cys Ile Arg Leu Glu
145                 150                 155                 160
Tyr Cys Pro Asn Asn Ser Gly Asn Ala Ala Leu Thr Pro Ser Ala Ser
                165                 170                 175
Pro Glu Ser Arg Ile Tyr Ser Val Ala Arg Gly Phe Arg Thr Ile Ala
            180                 185                 190
Leu Leu Asn Pro Gln Thr Asn Phe Leu Lys Ala
        195                 200
```

<210> 22378
<211> 106
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (106)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22378

```
Leu Asp Arg Val Ser Ser Arg Leu Leu Thr Ser Thr Gln Gln Leu Tyr
1               5                  10                  15
Gln Thr Phe Tyr Gly Leu Phe Val Cys Pro Trp Tyr Ser Tyr Ser Gln
```

```
            20                  25                  30
Ile Met Ile Ser Glu Val Thr Pro Arg Gly His Glu Phe Leu Phe Phe
        35                  40                  45
Ser Leu Phe Ser Ile Ile Gly Lys Thr Ser Ser Phe Ile Gly Pro Leu
    50                  55                  60
Val Ser Ser Ala Ile Ile Asp Ala Ser Pro Ser Gly Asn Val Ser Thr
65                  70                  75                  80
Pro Phe Tyr Phe Leu Phe Ala Leu Ser Val Gly Leu His Ala Gly Cys
                85                  90                  95
Arg Gly Ser Leu Tyr Gly Pro Ser Lys Xaa
            100                 105
```

<210> 22379
<211> 66
<212> PRT
<213> A.fumigatus

<400> 22379

```
Pro Leu Gln Ala Leu Gly Ile Tyr Ala Phe Trp Phe Ile Gln Arg Arg
1               5                   10                  15
Tyr Asn Leu Gly Thr Lys Ala Met Phe Asn Ala Ile Ala Val Gly Ile
            20                  25                  30
Ile Leu Leu Asp Gly Trp Gly Met Ile Gly Ile Trp Ala Gln Arg Phe
        35                  40                  45
Gly Phe His His Ala Trp Glu Ile Trp Val Ser Val Gln Pro Asn Val
    50                  55                  60
Ala Ser
65
```

<210> 22380
<211> 251
<212> PRT
<213> A.fumigatus

<400> 22380

```
Ile Arg Tyr Leu Leu Leu Ile Phe Leu Ser Ser Gly Trp Val Ser Tyr
1               5                   10                  15
Ala Ala Ser Ser Ile Cys Ser Ala Leu Gly Glu Tyr Arg Met Met Pro
            20                  25                  30
Asp Ala Asp Thr Ala Cys Cys Leu Ile Asn Gly Lys Asn Gly Tyr Val
        35                  40                  45
Arg Gly Asn Asn Ser Trp Val Leu Gly Arg Ile Met Arg Asp Tyr Glu
    50                  55                  60
Tyr Trp Met Gly Glu Pro Val Arg Glu Lys Thr Glu Ser Leu Ile Gln
65                  70                  75                  80
Ala Arg Trp Asp Phe Asp Arg Gln Arg Gln Glu Arg Glu Val Pro Gly
                85                  90                  95
Ser Gly Ser Arg Val Pro Arg Pro Ser Gln Ala Gly Leu Val Val Ser
            100                 105                 110
Leu Trp Gln Pro Ser Thr Thr Lys Pro Ser Gly Glu Pro Gly His Asp
        115                 120                 125
Leu Leu His Trp Ser Gly Ile Ile Val Thr Val Ile Gln Leu Gly Ile
    130                 135                 140
Ala Ala Val Pro Leu Gly Leu Ser Gly Asp Trp Gly Ile Leu Met Ile
145                 150                 155                 160
Thr Ala Ala Ala Thr Ile Leu Cys Tyr Val Thr Gly Ala Leu Gly Gln
```

```
                165                 170                 175
Trp Lys Val Glu Lys Trp Ala Cys Arg Arg Leu Asp Thr Arg Glu Lys
            180                 185                 190
Lys Asn Phe Val Leu Thr Arg Gly Asn Gly Ala Gln His Ala Ile Ala
        195                 200                 205
Ile Ile Ser Asn Ala Arg Gly Leu Asp Leu Glu Asp Leu Ala Thr Gly
    210                 215                 220
Phe Ser Lys Ile Asp Ser Pro Ser Ile Thr Leu Phe Ala Gln Leu Ala
225                 230                 235                 240
Thr Ile Ile His Pro Gly Leu Glu Gly Pro Arg
                245                 250
```

<210> 22381
<211> 73
<212> PRT
<213> A.fumigatus

```
<400> 22381
Val Gly Glu Ile Glu Ala Ile Pro Glu Asn Ile Glu Gln Gly Trp Asp
1               5                   10                  15
Arg Ala Glu Asp Arg Ile Glu Gln Lys Trp Asp Gly Ala Val Asp Asp
            20                  25                  30
Ile Glu Glu Phe Pro Glu Asn Ala Ala Glu Trp Thr Gly Arg Lys Val
        35                  40                  45
Gly Glu Val Glu Gln Phe Gly Asp Tyr Ile Gly Asn Ala Tyr Asp Glu
    50                  55                  60
Gly Arg Ala Glu Gly Arg Asp Asp Trp
65                  70
```

<210> 22382
<211> 68
<212> PRT
<213> A.fumigatus

```
<400> 22382
Ala Gly Gly Pro Gly Ser Arg Leu Val Leu Cys Leu His Ser Asn Lys
1               5                   10                  15
Leu Thr Ile Ser Asn Asp Ile Gly Pro Phe Ala Gly Leu Leu Leu Ala
            20                  25                  30
Asp Tyr Gly Ala Ser Val Leu Arg Val Asp Arg Pro Lys Ser Ile Ser
        35                  40                  45
Thr Asp Gln Leu Thr Arg Arg Lys Thr Ser Ile Thr Leu Asp Leu Arg
    50                  55                  60
Asp Ile Phe Thr
65
```

<210> 22383
<211> 67
<212> PRT
<213> A.fumigatus

```
<400> 22383
Ala Thr Val Ser Pro Gln Pro Met Pro Gly Ala Thr Cys Gly Asp Gln
1               5                   10                  15
Gln Cys Cys Gln Gly Ser Ser Arg Ala Tyr Ile Gln Leu Cys Ser Val
            20                  25                  30
```

```
Asn Val Met Ile Ala Ile Gln His Leu Leu Phe Ile Asn Lys Tyr Ile
        35                  40                  45
Met Thr Cys Asn Thr Ala Met Pro Glu Met Tyr Lys Ser Pro Cys Gln
    50                  55                  60
Asn Ala Val
65
```

<210> 22384
<211> 129
<212> PRT
<213> A.fumigatus

<400> 22384

```
Phe Ser Ser Gly Ser Cys Ala Met Ser Ser Pro Arg Leu Pro Thr Pro
1               5                   10                  15
Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Ala Ser Thr Ser
            20                  25                  30
Ser Ser Ser Phe Ser Ser Phe Ser Ser Ser Ser Ser Ser Ser Val Ala
        35                  40                  45
Arg Asn Arg Leu Ala Ser Ile Ser Ser Gln Ile Met Gly Ser Ser Ser
    50                  55                  60
Pro Ser Val Phe Ser Thr Ala Val Val Pro Ala Ala Pro Glu Asp Pro
65                  70                  75                  80
Leu Phe Gly Leu Ala Gln Ala Phe Arg Gln Asp Pro Ser Asp Lys Lys
                85                  90                  95
Val Asp Leu Val Ile Gly Ala Tyr Arg Asp Asn Asn Ala Lys Pro Trp
            100                 105                 110
Ile Leu Pro Val Val Lys Lys Val Ile Pro Arg Pro His Ser Thr Ala
        115                 120                 125
Ser
```

<210> 22385
<211> 124
<212> PRT
<213> A.fumigatus

<400> 22385

```
Glu Ser Glu Asn Arg Arg Ser Arg Thr Gly Lys Ile Pro Ala Phe Cys
1               5                   10                  15
Val Ser Ile Thr His Thr Ile His Cys Leu Thr Arg Leu Leu Ile Leu
            20                  25                  30
Ile Trp Ile Leu Arg His Val Phe Pro Ala Ser Ser His Ser Tyr Asn
        35                  40                  45
Tyr Asn Asn Tyr Tyr Tyr Tyr Asp Asp Asp Arg Leu Tyr Val Leu Leu
    50                  55                  60
Phe Phe Phe Phe Phe Leu Ile Ile Ile Ile Ile Leu Arg Arg Ser Lys
65                  70                  75                  80
Ser Ser Arg Leu His Leu Leu Thr Asn His Gly Phe Leu Lys Pro Ile
                85                  90                  95
Ser Leu Leu His Gly Arg Arg Ala Arg Arg Ser Arg Arg Ser Ser Leu
            100                 105                 110
Trp Ser Gly Ser Ser Phe Ser Ser Gly Ser Leu Arg
        115                 120
```

<210> 22386

<211> 139
<212> PRT
<213> A.fumigatus

<400> 22386
Gly Arg Gly Thr Ser Ser Leu Val Val Lys Asn Cys Met Phe Gly Cys
1 5 10 15
Gly Asn Tyr Pro Thr Trp Pro Asn Leu Leu Glu Ser Ile Arg Lys Glu
20 25 30
Ser Val Tyr Asn Val Arg Arg Leu Arg His His Pro Ser Ile Val Ile
35 40 45
Trp Val Gly Asn Asn Glu Asp Tyr Gln Val Gln Glu Gln Ala Gly Leu
50 55 60
Thr Tyr Asn Tyr Glu Asp Lys Asp Pro Glu Asn Trp Leu Lys Thr Asp
65 70 75 80
Phe Pro Ala Arg Tyr Ile Tyr Glu Lys Leu Leu Pro Glu Val Val Gln
85 90 95
Glu Tyr Ser Pro Gly Thr Phe Tyr His Pro Gly Ser Pro Trp Gly Asp
100 105 110
Gly Lys Thr Thr Ser Asp Pro Thr Val Gly Asp Met His Gln Trp Asn
115 120 125
Gly Met Phe Ile Ala Ser His Phe Thr Asn His
130 135

<210> 22387
<211> 126
<212> PRT
<213> A.fumigatus

<400> 22387
Leu Lys Met Gln Thr His Ile Tyr Leu Thr Gln Val Val Gln Ala Glu
1 5 10 15
Thr Met Met Phe Gly Tyr Arg Gly Trp Arg Arg Gln Trp Gly Asp Glu
20 25 30
Arg His Cys Gly Gly Ala Leu Leu Trp Gln Leu Asn Asp Cys Trp Pro
35 40 45
Thr Ile Ser Trp Ala Ile Val Asp Tyr Phe Leu Arg Pro Lys Pro Ala
50 55 60
Phe Tyr Ala Val Ala Arg Val Leu Asn Pro Ile Ala Val Gly Val Arg
65 70 75 80
Lys Lys His His Asp Trp Ser Val Thr His Ala Gln Pro Pro Lys Thr
85 90 95
Ser Lys Phe Asp Leu Trp Val Ala Asn Ser Arg Pro Pro Glu Ile Pro
100 105 110
Arg Tyr Val Glu Leu Arg Phe Leu Ser Val Asn Thr Gly Thr
115 120 125

<210> 22388
<211> 379
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (234),(285),(286),(291),(293)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22388
Leu Ile Ile Thr Gly Tyr Ala Ala Asp Gly Tyr Ala Arg Val Asn Gly
1 5 10 15
Ile Ser Ala Leu Ile Thr Thr Phe Gly Val Gly Glu Leu Ser Ala Ile
20 25 30
Asn Ala Ile Ala Gly Ala Tyr Ser Glu Phe Val Pro Ile Val His Ile
35 40 45
Val Gly Gln Pro His Thr Arg Ser Gln Arg Asp Gly Met Leu Leu His
50 55 60
His Thr Leu Gly Asn Gly Asp Tyr Asn Val Phe Ala Arg Met Asn Ala
65 70 75 80
Gly Val Ser Thr Thr Val Gly Arg Leu Asn Asp Thr His Glu Val Ala
85 90 95
Thr Leu Ile Asp Asn Ala Ile Arg Glu Cys Trp Ile Arg Ser Arg Pro
100 105 110
Val Tyr Ile Thr Leu Pro Thr Asp Met Val Thr Lys Lys Ile Glu Gly
115 120 125
Glu Arg Leu Asn Thr Pro Ile Asp Leu Ser Leu Pro Ala Asn Asp Pro
130 135 140
Glu Lys Glu Asp Tyr Val Val Asp Val Val Leu Lys Tyr Leu His Ala
145 150 155 160
Ala Gln Arg Pro Val Ile Leu Val Asp Ala Cys Ala Ile Arg His Lys
165 170 175
Val Leu Gln Glu Val His Asp Leu Met Glu Ala Ser Gly Leu Pro Thr
180 185 190
Phe Val Ala Pro Met Gly Lys Gly Ala Val Asp Glu Thr His Lys Asn
195 200 205
Tyr Gly Gly Val Tyr Ala Gly Asp Gly Ser Asn Thr Gly Val Arg Glu
210 215 220
Gln Val Glu Ser Ser Asp Leu Ile Leu Xaa Ile Gly Ala Ile Lys Ser
225 230 235 240
Asp Phe Asn Thr Ala Gly Phe Thr Tyr Arg Ile Gly Gln Leu Asn Thr
245 250 255
Ile Asp Phe His Ser Thr Tyr Val Arg Val Arg Tyr Ser Glu Tyr Pro
260 265 270
Asp Ile Asn Met Lys Gly Val Leu Arg Lys Val Ile Xaa Xaa Leu Gly
275 280 285
Arg Val Xaa Cys Xaa Pro Gly Ala His Leu Asn Asn Asn Leu Pro Asp
290 295 300
Asp Glu Pro Asn Ser Gly Asp His Pro Ile Thr His Lys Trp Phe Trp
305 310 315 320
Pro Lys Ile Gly Gln Trp Leu Lys Glu Asn Glu Leu Val Ile Pro Glu
325 330 335
Thr Gly Pro Gly Asn Phe Trp His Pro Gly Lys Thr Arg Cys Pro Ala
340 345 350
Gly Phe Pro Ala Asn Gln Ser Asn Phe Ser Gly Gly Thr Leu Gly Phe
355 360 365
Ser Leu Gly Ser Leu Ala Arg Lys Pro Pro Leu
370 375

<210> 22389
<211> 201
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (87),(89),(94),(95),(146)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22389
Gln Trp Arg Leu Pro Gly Gln Ala Pro Lys Gly Glu Thr Gln Gly Thr
1 5 10 15
Pro Arg Glu Ile Gly Leu Ile Gly Gly Lys Thr Cys Arg Ala Pro Cys
20 25 30
Phe Pro Arg Met Pro Lys Val Ala Arg Pro Ser Phe Trp Asp Asp Glu
35 40 45
Phe Val Phe Leu Gln Pro Leu Ala Asn Phe Gly Pro Glu Pro Phe Val
50 55 60
Gly Asp Trp Met Ile Pro Arg Ile Arg Phe Ile Val Gly Gln Ile Val
65 70 75 80
Val Glu Val Cys Thr Gly Xaa Ala Xaa Asp Thr Pro Gln Xaa Xaa Asn
85 90 95
Asp Leu Ser Gln Asp Pro Phe His Val Asp Val Trp Ile Leu Gly Val
100 105 110
Ser His Ser His Val Cys Thr Val Glu Ile Asp Gly Ile Gln Leu Thr
115 120 125
Asn Ala Val Gly Glu Thr Ser Arg Val Glu Val Arg Leu Asp Arg Ala
130 135 140
Tyr Xaa Lys Asn Gln Ile Gly Arg Leu His Leu Phe Ser His Thr Ser
145 150 155 160
Val Gly Ala Val Ser Ser Val Asn Thr Ala Val Val Phe Val Arg Phe
165 170 175
Val Asp Cys Ser Phe Ala His Trp Arg Asn Glu Ser Trp Gln Ala Gly
180 185 190
Gly Leu His Lys Ile Met Asn Phe Leu
195 200

<210> 22390
<211> 261
<212> PRT
<213> A.fumigatus

<400> 22390
His Phe Ala Gly Val Phe Gly Leu Leu Gln Leu Val Ala Phe Ala Glu
1 5 10 15
Phe Val Arg Ser Phe Val Pro Ser Lys Gln Phe Gln Arg Leu Leu Thr
20 25 30
Ala Met Ile Phe Ile Thr Phe Gly Leu Gly Leu Leu Gly Leu Val Val
35 40 45
Leu Thr Val Thr Gly Val Ile Ala Pro Trp Ser Gly Arg Leu Tyr Ser
50 55 60
Leu Trp Asp Thr Gly Tyr Ala Lys Ile His Ile Pro Ile Ile Ala Ser
65 70 75 80
Val Ser Glu His Gln Pro Thr Ala Trp Pro Ala Phe Phe Phe Asp Leu
85 90 95
Asn Phe Leu Ile Trp Leu Phe Pro Ala Gly Val Tyr Met Cys Phe Arg
100 105 110
Asp Leu Lys Asp Glu His Val Phe Val Ile Ile Tyr Ser Val Leu Ala
115 120 125
Arg Tyr Phe Ala Gly Val Met Val Arg Leu Met Leu Thr Leu Thr Pro

```
    130                 135                 140
Ile Val Cys Val Ala Ala Ala Leu Ala Leu Ser Ser Ile Leu Asp Thr
145                 150                 155                 160
Tyr Met Ala Thr Thr Leu Pro Thr Pro Ala Ser Glu Ala Lys Thr Asn
                165                 170                 175
Glu Asp Ser Ser Ser Pro Pro Leu Arg Ser Val Arg Lys Pro Asn Val
            180                 185                 190
Gly Ile Thr Ser His Val Ser Lys Ile Ile Val Thr Ala Ser Val Val
        195                 200                 205
Val Tyr Leu Leu Leu Phe Val Ala His Cys Thr Trp Val Thr Ser Asn
    210                 215                 220
Ala Tyr Ser Ser Pro Ser Val Val Leu Ala Ser Arg Met Pro Asp Gly
225                 230                 235                 240
Ser Gln Tyr Ile Ile Asp Asp Tyr Arg Asp Phe His His Gly Leu Asp
                245                 250                 255
Gly Pro Arg Leu His
            260
```

<210> 22391
<211> 95
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (23),(26)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22391

```
Phe Thr Phe Phe Leu Trp Ile Lys Ala Val Lys Asn Gly Ser Ile Met
1               5                   10                  15
Trp Gly Ala Leu Thr Ala Xaa Phe Tyr Xaa Tyr Met Val Ser Ala Trp
            20                  25                  30
Gly Gly Tyr Val Phe Ile Thr Asn Leu Ile Pro Leu His Val Leu Phe
        35                  40                  45
Leu Leu Cys Met Gly Arg Tyr Ser Thr Arg Ile Tyr Ile Ser Tyr Thr
    50                  55                  60
Thr Trp Tyr Ala Leu Gly Thr Leu Val Ser Met Gln Ile Pro Phe Val
65                  70                  75                  80
Gly Ile Leu Ala Tyr Pro Lys Gln Arg Pro His Val Arg Leu Gly
                85                  90                  95
```

<210> 22392
<211> 80
<212> PRT
<213> A.fumigatus

<400> 22392

```
Tyr Trp Arg Asn Ser Gly Gly Tyr Pro Ala Val Cys Glu Ile Leu Val
1               5                   10                  15
Tyr Val Gly Ala Arg Ile Thr Glu Trp Leu Phe Val Arg Glu Arg Pro
            20                  25                  30
Gln Ser Val Arg Gly Val Lys Val Ser Ser Pro Thr Ser Gln Ser Asp
        35                  40                  45
Pro Ser Gln Ser Ala Ile Phe Pro Tyr Trp Phe Thr Thr Ser Cys Ala
    50                  55                  60
```

```
Cys His Val Ser Tyr Ala Leu Trp Thr Ile Asp Val Ser Ser Ser Leu
65                  70                  75                  80

<210> 22393
<211> 142
<212> PRT
<213> A.fumigatus

<400> 22393
Leu Ser Pro Ala Pro Ile Gln Trp Arg Pro Val Met Pro Arg Ala Leu
1               5                  10                  15
Ala Val Arg Leu Thr Cys Gln Ala Cys Thr Arg Arg Lys Val Lys Cys
            20                  25                  30
Asp Lys Lys Ser Pro Cys Thr Asn Cys Leu Lys His Glu Ile Thr Cys
        35                  40                  45
Val Val Val Glu Arg Pro Arg Trp Pro Arg Gly Arg Ser Gly Asn Gln
    50                  55                  60
Ala Ile Ser Arg Glu Gln Asp Leu Ser Asp Arg Val Ala Lys Leu Glu
65                  70                  75                  80
Gln Leu Ile Glu Gly Leu Ser His Ser Lys Arg Gly Thr Gly Asn Gly
                85                  90                  95
Ser Ser Ser Gly Gly Glu Asn Thr Ile Pro Ser Ser Gly Arg Ser Pro
            100                 105                 110
Lys Ser Pro Ser Glu Arg Ala Gln Thr Thr Glu Asp Leu Phe His Leu
        115                 120                 125
Gln Pro Val Ser Gly Met Pro Leu Ile Val Val Thr Ile Leu
    130                 135                 140

<210> 22394
<211> 243
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (156)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22394
Cys Asn Trp Gly Tyr Lys Asp Glu Ser Gly Asn Gly Arg Phe Gln Phe
1               5                  10                  15
Val Phe Asp Phe Lys Met Gln Val Gln Thr Thr Ile Ala Ala Tyr Gly
            20                  25                  30
Ile Tyr Gly Ser Arg Asn Tyr Cys Tyr Ala Leu Cys Leu Asn Ser His
        35                  40                  45
Glu Leu Val Ile Asn Pro Leu His Thr Leu Ala Lys Val Ser Ser Leu
    50                  55                  60
Asp Leu Leu Thr Ser His Ile Ala Ile Ile Tyr Arg Glu Ile Val Met
65                  70                  75                  80
Leu Tyr Phe Arg Asp Phe Asp Phe Phe Ser Gly Thr Gln Thr Cys Asn
                85                  90                  95
Ile Lys Tyr Gly Pro Arg Tyr Met Phe Gln Gln Arg Val Arg Gln Leu
            100                 105                 110
Arg Ser Met Arg Val Ser Ser Met Tyr Lys Thr Ser Pro Leu Val Glu
        115                 120                 125
Asp Gln Val Gln Pro Ser Cys Ala Ile Thr Ala Pro Ser Ile Leu Gly
```

```
    130                 135                 140
Val Thr Val Phe Arg Pro Pro Asn Trp Arg Asp Xaa Tyr Ser Asn Gly
145                 150                 155                 160
Gly Val Asn Ser Pro Pro Pro Ser Ile Met Phe Thr Ser Leu Ser Ser
                165                 170                 175
Thr Pro Ser Gly Gly Ala Leu Thr Ser Ser Pro Ala Lys Asn Gln Thr
            180                 185                 190
Thr Ile Ser Ala Ala Thr Cys Ala Ser Ser Cys Pro Ser Pro Ala Ser
        195                 200                 205
Ile Ala Phe Lys Tyr Leu Cys Thr Ile Cys Pro Ser His Pro His Leu
    210                 215                 220
Leu Pro Asn Ser Arg His Val Ser Leu Phe Thr Asn Thr Ser Asn Ser
225                 230                 235                 240
Lys Cys Pro
```

<210> 22395
<211> 170
<212> PRT
<213> A.fumigatus

<400> 22395

```
Val Gly Glu Ser Val Pro Ser Ser Pro Ala Val Lys Thr Ala Ser Leu
1               5                   10                  15
Asn Ser Met Ala Ser Ser Trp Met Gln Glu Asn Ser Ser Pro Lys Ser
            20                  25                  30
Ser Arg Arg Arg Gly Ile Asp Leu Gln Lys Lys Val Asp Glu Leu Val
        35                  40                  45
His Lys Tyr Phe Lys Ile Lys Cys Pro Ser Pro Ala Leu Arg Asp Ile
    50                  55                  60
Leu Arg Ser Thr Glu Lys Ser Asp Leu Leu Val Ser Ala Val Arg Leu
65                  70                  75                  80
Gln Val Ser Leu Ala Arg Cys Arg Ser Gln Asn Phe Asn Asp Gly Gln
                85                  90                  95
Ile Thr Ile Tyr Asp Lys Ala Leu Leu Thr Leu Ser Lys Asn Gly Asn
            100                 105                 110
Glu Pro Ala Glu Leu Ser Val Leu Glu Leu Tyr Leu Thr Glu Tyr Leu
        115                 120                 125
Gly Ile Val Pro Ile Ala Asn Thr Ser Tyr Ser Leu Asn Val Ala Thr
    130                 135                 140
Lys Arg Leu Gly Leu His Gln Ala Leu Ala Lys Gly Leu Ser Thr Val
145                 150                 155                 160
Asn Val Ile Tyr Phe Phe Thr Gln Ser Cys
                165                 170
```

<210> 22396
<211> 72
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (4),(30)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22396

```
Ser Leu Thr Xaa Glu Leu Ala Asn Ser Thr Asn Leu Asp Ser Ala Gln
1               5                  10                  15
Gly Ile Glu Thr Ser Ile Lys Thr Gly Ile Ala Val Ile Xaa Thr Leu
            20                  25                  30
Ser Arg Ala Lys Ala Leu Arg Lys Asp His Gln Phe Asp Thr Phe Phe
        35                  40                  45
Ile Pro Gly Gly Val Gly Asn Ala Ala Ala Asp Leu Gly Pro Asn Pro
    50                  55                  60
Ala Thr Thr His Arg Lys Ala Gly
65                  70
```

<210> 22397
<211> 108
<212> PRT
<213> A.fumigatus

<400> 22397

```
Ser Ile His Leu Leu Val Pro Gly Val Gln Trp Gln Lys Arg Ala Arg
1               5                  10                  15
Trp Val Gln Asp Gly Lys Phe Leu Thr Ser Ser Gly Val Thr Ala Gly
            20                  25                  30
Ile Asp Ala Gly Leu Val Phe Met Ala Ser Thr Tyr Glu Ala Gln Lys
        35                  40                  45
Ala Ser Ala Gln Gly Glu Glu Ala Ser Ile Pro Gly Phe Ser Arg Glu
    50                  55                  60
Lys Ala Leu His His Ala His Phe Val Ala Phe Gly Leu Glu Tyr Arg
65                  70                  75                  80
Trp Asp Ser Leu Leu Lys Met Ser His Lys Ser Ala Leu Ile Pro Leu
                85                  90                  95
Asn Glu Ser Ser Thr Trp Asp Asn Ala Val Arg Tyr
            100                 105
```

<210> 22398
<211> 87
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (2)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22398

```
Phe Xaa Pro Ser His Gly Arg Arg Leu Ser Gly Arg Thr Thr Ser Ser
1               5                  10                  15
Thr Pro Phe Ser Ser Arg Ala Gly Ser Ala Met Leu Pro Leu Ile Trp
            20                  25                  30
Asp Pro Ile Leu Leu Gln Arg Ile Gly Lys Leu Val Asp Arg Ala Ala
        35                  40                  45
Asn Ile Leu Thr Val Cys Thr Gly Ser Ile Leu Leu Ala Ala Thr Gly
    50                  55                  60
Arg Leu Asp Gly Arg Lys Ala Thr Thr Asn Lys Arg Leu Tyr Asp Glu
65                  70                  75                  80
Leu Thr Pro Lys Cys Met Ile
                85
```

<210> 22399
<211> 112
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (110),(111)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22399
Glu Ile Val Gln Lys Leu Gln Asp Leu His Asn Val Leu Lys Gly Tyr
1 5 10 15
Thr Pro Pro Thr Val Val His Pro Ser Val Glu Ser Leu Asp Pro Lys
20 25 30
Pro Lys Ser Ser Phe Phe Gly Ser Leu Phe Gly Arg Gln Ser Ala Lys
35 40 45
Ala Glu Thr Glu Ile Pro Glu Asn Leu Pro Lys Gly Leu Tyr Met Tyr
50 55 60
Gly Asp Val Gly Cys Gly Thr Thr Pro Leu Met Asp Leu Phe Tyr Glu
65 70 75 80
Thr Leu Gln Ala Lys Ile Lys Ser His Val Ala His Ser Pro Ser Pro
85 90 95
Arg Ala Gly Thr Cys Arg Ala Cys Asp Thr Asn Arg Gly Xaa Xaa Pro
100 105 110

<210> 22400
<211> 130
<212> PRT
<213> A.fumigatus

<400> 22400
Val Arg Ile Ser Cys Ala His Pro Ala Cys His Glu Tyr Asp Leu Cys
1 5 10 15
Val Pro Cys Phe Ala Ala Gly Glu Lys Ser Lys Asn His Asp Pro Ser
20 25 30
Thr His Pro Tyr Gln Val Ile Glu Gln Asn Ser Val Pro Ile Phe Glu
35 40 45
Glu Asp Trp Gly Ala Asp Glu Glu Leu Leu Leu Leu Glu Gly Ala Glu
50 55 60
Ile Tyr Gly Leu Gly Ser Trp Ala Asp Ile Ala Asp His Ile Gly Gly
65 70 75 80
Tyr Arg Thr Lys Asp Glu Val Arg Asp His Tyr Ile Arg Thr Tyr Ile
85 90 95
Glu Ser Ser Asn Phe Pro Leu Pro Glu Arg Ala Asp Pro Asp Asp Thr
100 105 110
Ser Leu Gln Asp Val Phe Thr Thr Gly Leu Glu Gly Pro Ala Ile Ser
115 120 125
Val Lys
130

<210> 22401
<211> 205
<212> PRT
<213> A.fumigatus

<400> 22401
Leu Ser Asp Asp Ser Ala Gln Lys Phe Ile Pro Arg Tyr Thr Arg Gln
1 5 10 15
Ala Ile Ser Arg Leu Ser Arg His Leu Pro Lys Asp Phe Asn Leu Thr
20 25 30
Ala Leu Asp Val Leu Ala Met Gln Asn Ile Cys Val Tyr Glu His Ile
35 40 45
Ser Leu Gly Gly Ser Ser Phe Cys Ser Leu Phe Thr Glu Gln Glu Trp
50 55 60
Arg Asp Phe Ala Tyr Asn Val Asp Val Gln Tyr Tyr Gly Asp Tyr Ala
65 70 75 80
Tyr Gly Ser Pro Thr Gly Arg Ala Gln Gly Ile Gly Tyr Val Leu Glu
85 90 95
Leu Ala Ala Arg Leu Gln Gly Thr Leu Ile Tyr Ser Ser Asp Thr Ser
100 105 110
Ile Asn Phe Thr Tyr Asp Asn Asn Leu Ala Gln Phe Pro Leu Asp Gln
115 120 125
Pro Phe Tyr Leu Asp Met Ser His Asp Asp Ile Leu Leu Ser Val Ile
130 135 140
Thr Ala Leu Gly Leu Arg Tyr Phe Arg Tyr Gly Pro His Gly Leu Pro
145 150 155 160
Gly Asn Val Asp His Ala Leu Asn Arg Thr Phe Ala Met Ser Gln Met
165 170 175
Thr Pro Phe Gly Ala Arg Leu Met Ser Glu Val Trp Thr Cys His Arg
180 185 190
Asn Ala Ser Leu Val Phe Thr Thr Gly Leu Glu Gly Ser
195 200 205

<210> 22402
<211> 182
<212> PRT
<213> A.fumigatus

<400> 22402
Pro Val Val Val Asp Asn Glu Gly Asp His Gln Met Ser Asp Ile Met
1 5 10 15
Lys Asp Arg Ala Val Ser Gly Ala Ser Arg Tyr Ser Pro Leu Ser Pro
20 25 30
Ser Lys Arg Arg Asp Ser Arg Ala Val Asp Leu Pro Glu Ser Asp Gly
35 40 45
Gln Pro Leu Ser Thr Ser Pro Lys Ser Gln Ile Met Ile Arg Met Pro
50 55 60
Asn Gly Ala Val Arg Ile Asn Trp Pro His Leu Tyr Lys Gln Arg Arg
65 70 75 80
Arg Leu Glu Glu Asn Trp Ala Lys Gly Arg Phe Thr Asn Phe Gln Leu
85 90 95
Pro His Pro Ala His Pro Glu Glu Ser His Leu Glu Cys Val Tyr Ala
100 105 110
Ile Gln Phe Ile Gly Arg Trp Leu Val Ser Gly Ser Arg Asp Arg Thr
115 120 125
Leu Arg Val Trp Asp Leu Glu Thr Lys Arg Leu Arg Tyr Arg Pro Leu
130 135 140
Val Gly His Thr Lys Ser Val Leu Cys Leu Gln Phe Asp Pro Arg Pro
145 150 155 160
Ser Glu Asp Val Ile Ile Ser Gly Ser Ile Asp Arg Asn Val Ile Ile
165 170 175

```
Trp Gly Phe Ser Thr Arg
            180

<210> 22403
<211> 66
<212> PRT
<213> A.fumigatus

<400> 22403
Tyr Glu Glu Glu Arg Gly Gly Tyr Leu Pro Cys Glu Glu Val Ala Arg
1               5                   10                  15
Ala Ile Ile Gln Gly Ile Gly Tyr Gln Gly Phe Val Ser Met Glu Leu
            20                  25                  30
Phe Ser Arg Thr Met Ser Leu Glu Gly Ser His Val Pro Val Glu His
        35                  40                  45
Ala Arg Arg Gly Ile Lys Ala Trp Glu Met Leu Lys Glu Arg Leu Gln
    50                  55                  60
Leu Gln
65

<210> 22404
<211> 109
<212> PRT
<213> A.fumigatus

<400> 22404
Ser Leu Thr Gln Ser Arg Phe Val Pro Ser Pro Thr Val Glu Asp Glu
1               5                   10                  15
Arg Val Asn Phe Leu Ala Val Thr Gln Arg Ile Ile Asp Ser Val Ile
            20                  25                  30
Ala Ser Pro Leu Asp His Ser Leu Ala Thr Ala Ala Tyr Trp Ile Val
        35                  40                  45
Ile Arg Gln Glu Ile Tyr Tyr Ala Leu Thr Arg Glu Thr Val Pro His
    50                  55                  60
Leu Arg Phe Asp Ser Asp Arg Trp Pro Asn Ala Ser Ile Ala Asn Asn
65                  70                  75                  80
Met Ile Met Phe Val Gly Lys Val Ala Gln Trp Arg Trp Gly Gln Lys
                85                  90                  95
Ser Leu Asp Glu Trp Ser Lys Tyr Ala Leu Ser Ser Lys
            100                 105

<210> 22405
<211> 223
<212> PRT
<213> A.fumigatus

<400> 22405
Cys Thr Ser Pro Gly Ser Phe Gln Pro Arg Gly Glu Asp Ser Leu Trp
1               5                   10                  15
Lys Val Ile Lys His Ser Gln Val Gly Val Arg Asn Ala Leu Ala Ala
            20                  25                  30
Ala Glu Arg Gln Gly Thr Thr Leu Phe Asp Thr Met Val Asn Ile Leu
        35                  40                  45
Val Asn Gly Lys Val Asn Asp Asp Ile Ser Lys Glu Val Phe Gln Leu
    50                  55                  60
Tyr Gly Arg Arg Pro Val Trp Arg Thr Glu Tyr Thr Thr Leu Asn Val
```

```
65                  70                  75                  80
Glu Glu Gly Ala Thr Gly Ile Asp Val Thr Leu Thr Ser Pro Met Glu
                85                  90                  95
Glu His Arg Leu Glu Phe Ile Leu Glu Gln Phe Cys Met Ala Leu Asn
            100                 105                 110
Leu Ile Ala Ser Asn Pro Arg Gln Thr Val Lys Ala Thr Asn Leu Val
        115                 120                 125
Ser Glu Thr Glu Leu Gln Phe Met Leu Gln Ser His Lys Asn Leu Pro
    130                 135                 140
Asp Ala Thr Arg Thr Leu Asn Gly Gln Phe Glu Ala Thr Val Arg Thr
145                 150                 155                 160
Tyr Pro Asn Arg Thr Ala Ile Asn Tyr Gln Asn Glu Gln Phe Leu Thr
                165                 170                 175
Tyr Ala Glu Leu Asp Ser Glu Ala Asn Arg Met Thr His Tyr Leu Ser
            180                 185                 190
Glu Leu Gly Val Val Pro Gly Asp Ile Val Pro Leu Leu Leu Glu Lys
        195                 200                 205
Ser Pro Leu Met Ile Lys Ala Ile Leu Ala Leu Phe Lys Leu Gly
    210                 215                 220
```

<210> 22406
<211> 176
<212> PRT
<213> A.fumigatus

<400> 22406

```
Tyr Phe Leu Trp Gln Ala Tyr Phe Asp Val Ser Pro Arg Val Pro Leu
1               5                   10                  15
Gly Lys Ile Ser Gln Gln Ala Trp Ala Gln Leu His Phe Pro Phe His
            20                  25                  30
Val Ala Leu Ile Leu Leu Leu Glu Gly Ser Gln Ile Leu Ala Leu Thr
        35                  40                  45
Leu Asp Val Thr Leu Lys Leu Thr Tyr Leu Thr Glu Thr Ile Gln Phe
    50                  55                  60
Ala Cys Glu Glu Pro Arg Leu Glu Ala Glu Val Ala Ile Arg Leu Leu
65                  70                  75                  80
Arg Ser Thr Ile Ala Asp Leu Asp Ile Glu His Gly Arg Gly Ala Met
                85                  90                  95
Lys Glu Lys Ala Ile Ile Ser Asp Ile Leu Glu Glu Leu Leu Thr Leu
            100                 105                 110
Pro Leu Cys Pro Thr Asn Val Thr Ser Asn Gly Tyr Phe Val Thr His
        115                 120                 125
Asp Arg Met Asp Asp Leu Val Gly His Val Thr Ala Ala Leu Phe Ser
    130                 135                 140
Ser Met Gly Ile Thr Pro Ser Glu Gly Arg Asp Ile Ser Gln Leu Asn
145                 150                 155                 160
Asn Ser Gln Leu Phe Met Met Tyr Ile Asp His Arg Trp His Val Thr
                165                 170                 175
```

<210> 22407
<211> 293
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE

<222> (27)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22407
Arg Ala Met Ser Gln Asn Glu Ser Ser Cys Leu Arg Ser Glu Arg Glu
1 5 10 15
Thr Ala Arg Ser Arg Lys Ala Pro Pro His Xaa Arg Leu Asp Pro Leu
20 25 30
Arg Ile His Pro Pro Asp Pro Arg Pro Ser Thr Ala Gly Ala Ser Arg
35 40 45
Ser Pro Ser Pro Leu Leu Pro Pro Ala Pro His Pro Pro Arg Lys Ala
50 55 60
Ser Ala Tyr Pro His Pro Glu Asp Pro Phe Leu Arg Gly Thr Ser Ser
65 70 75 80
Gln Ala Arg Gly Pro Asp Glu Asn Ala Leu Arg Lys Pro Thr Tyr Arg
85 90 95
Ser Pro Thr Phe Pro Arg Ser Pro Ser Pro Asn Leu Ala Arg Pro Glu
100 105 110
Asp Asp Phe Gln Arg Pro Ser Tyr Arg Arg Gly Pro Pro Pro Gly Arg
115 120 125
Pro Gly Leu Arg Ile Ser Met Ser Thr Ser Arg Met Tyr Ser Ser Arg
130 135 140
Pro Arg Gly Pro Pro Pro Arg Glu Arg Tyr Pro Asn Glu Ser Pro Ser
145 150 155 160
Arg Gly Leu Ala Leu Pro Arg Tyr Thr Pro Asn Gly Pro Ser Asp Val
165 170 175
Tyr Ser Asp Glu Ala Leu Arg Ser Ser Val Asn Ser Ala Met Thr Ser
180 185 190
Arg Ser Ser Ile Glu Gln Ala Ser Gly Thr Glu Arg Ser Ser Val Leu
195 200 205
Thr Lys Ser Ser Ser Ile Thr Asp Leu Ser Pro Asp Thr Pro Asp Gly
210 215 220
Pro Tyr Glu Lys Asp Gly Gly Met Ser Val Glu Asp Ala Ile Ser Met
225 230 235 240
Tyr Leu Asp Gly Phe Ser Asp Val Thr Glu Glu Pro Ala Ser Pro Gly
245 250 255
Phe Gly Asp Asp Ser Lys Met Arg Pro Ile Ser Pro Arg Pro Pro Thr
260 265 270
Glu Leu Thr Tyr Asp Tyr Gly His Arg Ser Asp Glu Phe Leu Pro Ala
275 280 285
Thr Glu Gly Arg Ile
290

<210> 22408
<211> 88
<212> PRT
<213> A.fumigatus

<400> 22408
Ser Asn Thr Tyr Leu Asn Lys Ile Leu Ala Tyr Gly Arg Val Gly Cys
1 5 10 15
Tyr Leu Ala Pro Ser Arg His Ser Asp Arg Ile Leu Ser Arg Thr Ser
20 25 30
Lys Lys Glu Ser Glu Asp Pro Ala Ser Lys His Leu Phe Phe Asn Glu
35 40 45
Asp Pro Gly Gly Lys Ser Val Met Pro Thr Pro Arg Arg Arg Ile Val

```
    50                  55                  60
Ser Pro Glu Leu Ser Gly Leu Pro Ile Ile Ile Leu Arg Ser Ala Tyr
65                  70                  75                  80
Arg Arg Asn Leu Arg Ile Val Arg
                85
```

<210> 22409
<211> 314
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (166)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22409

```
Thr Ser Ile Leu Ala Ile Leu Ser Ala Arg Met Gly His Ser Ser Asp
1               5                   10                  15
Thr Phe Ser Tyr Ser Pro Leu Asn Pro Glu Ala Ala Glu Ile Arg Leu
            20                  25                  30
Leu Thr Ile Leu Pro Asp Arg Asp Gly Asn Asn Pro Val Arg Cys Thr
        35                  40                  45
Leu Gln Thr Val Ser Leu Asn Ser Ala Pro Gln Phe Glu Ala Leu Ser
    50                  55                  60
Tyr Val Trp Gly Thr Val Ala Glu Met Val Glu Ile Leu Val Asp Asp
65                  70                  75                  80
Ile Pro Phe Gln Val Thr Thr Asn Leu Asn Ala Ala Leu Gln Cys Leu
                85                  90                  95
Arg His Ser Arg Lys Lys Arg Val Ile Trp Val Asp Phe Ile Cys Ile
            100                 105                 110
Asp Gln Asn Asn Gly Lys Glu Lys Asn Thr Gln Leu Pro Leu Met Gly
        115                 120                 125
Arg Ile Tyr Lys Asp Ala Thr Ser Val Val Ala Trp Leu Gly Pro Val
    130                 135                 140
Asn Pro Asn Met Glu Gln Thr Met Ser Met Ile Lys Arg Arg Glu Ser
145                 150                 155                 160
Ser Leu Ala Ala Ile Xaa Gln Asp Val Arg Gln Met Thr Arg Pro Leu
                165                 170                 175
Ser Arg Lys Asn Arg Arg Asp Thr Ile Gly Ser Ile Leu Asp Ala Ile
            180                 185                 190
Gln Gly Phe Leu Asp Ile Val Ser Ala Pro Tyr Trp Gly Arg Ile Trp
        195                 200                 205
Thr Phe Gln Glu Tyr Tyr Leu Pro Glu Lys Leu Pro Val Cys Met Val
    210                 215                 220
Gly Asn Ile Pro Phe Thr Leu Pro Ala Leu Val Asp Leu Gly Arg His
225                 230                 235                 240
Phe Pro Glu Ile Leu Ala Pro Phe Val Glu Asn Leu Asp Lys Met Ala
                245                 250                 255
Pro Arg Ala Gly Asp Ala Ala Asp Ile Glu Ser His Gln Thr Leu Leu
            260                 265                 270
Ser Arg Val Lys Glu Ala Arg Gln Arg Leu Ala Gln Ser Asn Pro Met
        275                 280                 285
Gln Asp Phe Ala His Asp Ile Ala Ala Arg Ser Ser Pro Gly Trp Lys
    290                 295                 300
Tyr Thr Cys Ile Gly Glu Gly Arg Arg Ala
```

305 310

<210> 22410
<211> 260
<212> PRT
<213> A.fumigatus

<400> 22410
Ile His Ser Glu Arg Ser Ile Asp Ile Ala Val Ala His Ser Gln Val
1 5 10 15
Leu Phe Ser Asp Pro Leu Lys Tyr Val Gly Thr Ile Ser His Glu Leu
20 25 30
Glu Gln Pro Ser Ala Ser Arg Thr Gly Gly Val Leu Arg Gly Glu Gln
35 40 45
Gln Ser Glu Asn Ser Leu Gly Asp Leu Val Val Gly Lys Leu Thr Glu
50 55 60
Gln Val Arg Arg Leu Leu Gly Val Phe His Arg Glu Ser Leu Gly Asn
65 70 75 80
Leu Leu Val Val Leu Gly Arg Ile Leu Leu Ser Leu Asp Pro Cys Val
85 90 95
His Asp Thr Gly Asp Leu Ser Thr Ser Ser His Met Ser Leu Ala Leu
100 105 110
Gly Ser Thr Val Gly Glu Phe Phe Lys Asn His Ile Arg Arg Leu Leu
115 120 125
Ser Val Pro Ser Leu Gly Glu Arg Glu Asp Glu Arg Glu Val Asp Gln
130 135 140
Leu Gln Ser Gly Cys Asp His Val Val Val Ile Arg Asn Leu Leu Asp
145 150 155 160
Gly Arg Ile Ser His Ile Val Ala Asp Glu Ser Pro Ala Arg Asp Gly
165 170 175
Thr His Gln Leu Thr Glu Leu Gly Leu Pro Arg Leu Gly Leu Val Ile
180 185 190
Gly Gly Leu Gly Leu Phe Gln Glu Ile Leu Gly Val Leu Gly Ile Asn
195 200 205
Ile Phe Pro Tyr Arg Glu Glu Trp Lys Thr Glu Pro Ser Gly Trp Lys
210 215 220
Glu Pro Val Lys Ser Leu Phe Gly Ile Gln Arg Ala Ser Cys Gln Cys
225 230 235 240
Lys Asn Asn Gln Leu Ala Arg Pro Lys Asn Leu Gly Ala Arg Ser Asn
245 250 255
Thr Gln Ala Leu
260

<210> 22411
<211> 154
<212> PRT
<213> A.fumigatus

<400> 22411
Ser Gln Pro Leu Trp Ser Trp Ser Thr Ser Leu Ser Ser Ser Leu Ser
1 5 10 15
Pro Arg Leu Gly Thr Glu Arg Arg Arg Arg Ile Trp Phe Leu Lys Asn
20 25 30
Ser Pro Thr Val Leu Pro Arg Ala Arg Leu Ile Trp Leu Leu Val Glu
35 40 45
Arg Ser Pro Val Ser Trp Thr His Gly Ser Arg Leu Asn Arg Ile Leu

```
    50                  55                  60
Pro Ser Thr Thr Arg Arg Leu Pro Arg Asp Ser Leu Trp Lys Thr Pro
65                  70                  75                  80
Arg Ser Leu Leu Thr Cys Ser Val Ser Leu Pro Thr Thr Arg Ser Pro
                85                  90                  95
Arg Leu Phe Ser Leu Cys Cys Ser Pro Arg Lys Thr Pro Pro Val Arg
            100                 105                 110
Leu Ala Leu Gly Cys Ser Asn Ser Trp Leu Ile Val Pro Thr Tyr Leu
        115                 120                 125
Arg Gly Ser Glu Lys Arg Thr Cys Glu Cys Ala Thr Ala Ile Ser Met
    130                 135                 140
Leu Leu Ser Leu Trp Ile Tyr Leu Thr Arg
145                 150
```

<210> 22412
<211> 379
<212> PRT
<213> A.fumigatus

<400> 22412

```
Gln Gly Leu Gly Val Arg Pro Gly Ala Gln Val Leu Gly Pro Gly Gln
1               5                   10                  15
Leu Val Val Phe Ala Leu Ala Arg Ser Pro Leu Asn Ser Glu Lys Gly
            20                  25                  30
Phe Asp Arg Phe Phe Pro Pro Ala Gly Leu Cys Leu Pro Phe Phe Pro
        35                  40                  45
Val Arg Lys Asp Val Asn Thr Lys Tyr Ser Lys Tyr Phe Leu Glu Lys
    50                  55                  60
Ser Lys Ala Thr Asp Tyr Lys Pro Glu Pro Trp Lys Pro Glu Phe Arg
65                  70                  75                  80
Glu Leu Met Cys Ala Val Ser Cys Gly Thr Phe Val Gly His Tyr Met
                85                  90                  95
Thr Asp Ala Ala Ile Lys Lys Ile Ala Asp Asp Tyr Tyr Met Ile Thr
            100                 105                 110
Ala Ala Leu Glu Leu Val Asn Phe Pro Phe Ile Leu Pro Phe Thr Lys
        115                 120                 125
Ala Trp Tyr Gly Lys Lys Ala Ser Asp Met Val Leu Glu Glu Phe Ser
    130                 135                 140
Asn Cys Ala Ala Lys Ser Lys Ala His Met Ala Ala Gly Gly Glu Ile
145                 150                 155                 160
Thr Cys Ile Met Asp Ala Trp Val Lys Ala Gln Gln Asp Ser Ala Lys
                165                 170                 175
Tyr Asn Glu Lys Ile Ala Lys Gly Leu Pro Val Glu Asp Ser Glu Lys
            180                 185                 190
Pro Ser His Leu Leu Arg Glu Phe Thr Asp Tyr Glu Ile Ala Gln Thr
        195                 200                 205
Val Phe Thr Leu Leu Phe Ala Ser Gln Asp Ala Thr Ser Ala Ala Cys
    210                 215                 220
Thr Trp Leu Phe Gln Leu Val Ala Asp Arg Pro Asp Val Leu Glu Arg
225                 230                 235                 240
Ile Arg Glu Glu Asn Leu Arg Val Arg Asn Gly Asn Ile Asn Ala Pro
                245                 250                 255
Leu Thr Met Asp Leu Leu Asp Glu Met Lys Tyr Thr Arg Ala Val Val
            260                 265                 270
Arg Glu Thr Leu Arg Tyr Arg Pro Pro Val Ile Met Val Pro Tyr Leu
        275                 280                 285
```

```
Val Lys Lys Asp Phe Pro Ile Thr Asp Ser Ile Thr Val Ser Lys Gly
    290                 295                 300
Ser Met Ile Ile Pro Ser Val Trp Pro Ala Thr His Asp Pro Glu Ala
305                 310                 315                 320
Tyr Pro Asn Pro Asp Ser Phe Asp Pro Asp Arg Trp Ile Thr Gly Asp
                325                 330                 335
Ala Glu Lys Gln Ala Lys Asn Phe Leu Val Phe Gly Thr Gly Pro His
            340                 345                 350
Tyr Cys Leu Gly Gln Thr Tyr Ala Gln Leu Asn Leu Ser Ser Pro Arg
        355                 360                 365
Gly Trp Lys Gly Pro Cys Ile His Lys Ser Ala
    370                 375
```

<210> 22413
<211> 205
<212> PRT
<213> A.fumigatus

<400> 22413

```
Asn Glu His Arg Arg Thr Ser Ser Pro Val Val Lys Thr Leu Gly Pro
1               5                   10                  15
Lys Thr Pro Pro Lys Ser Arg Ala Pro Leu Lys Pro Pro Lys Gly Gly
            20                  25                  30
Ile Phe Gly His Met Leu Asp Glu Ser Arg Lys Ile Phe Ala Arg Pro
        35                  40                  45
Glu Pro Pro Arg Thr Ala Pro Ala Arg Gly Ser Lys Ile Glu Ala Trp
    50                  55                  60
Leu Ser Gly Thr Pro Asp Pro Phe Leu Glu Asp Met Asp Pro Asp Val
65                  70                  75                  80
Glu Val Pro Ala Pro Leu Asn Thr Arg Thr Asn Arg Ala Lys Ser His
                85                  90                  95
Arg Arg Glu Asp Lys His Asp Arg Asn Ala Glu Ser Glu Pro Ser Pro
            100                 105                 110
Glu Ser Glu Ser Arg Arg Arg Ser Thr Ser Lys Arg His Gly Arg Ser
        115                 120                 125
Arg Glu Gly Ser Val Thr Ser Glu Arg Lys Lys Ser Glu Glu Arg Lys
    130                 135                 140
Val Ser Ser Lys Gln Leu Arg Asp Asp Ser Ser Pro Pro His Arg Lys
145                 150                 155                 160
Lys Ser Ser Glu His Arg His Ser Arg Ser Ser Ser Gly Ala Lys Glu
                165                 170                 175
Ala Thr Thr Arg Asp Ala Asp Leu Lys Ala Asp Asp His Asp Thr Asp
            180                 185                 190
Thr Gln Pro Phe Ser Asp Gly Ser Glu Val Phe Arg Glu
        195                 200                 205
```

<210> 22414
<211> 203
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (17)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22414
Ser Ala Thr Asp Arg Pro Leu Leu Glu Gln Gly Leu Val Arg Ile Thr
1 5 10 15
Xaa Ile Asn His Val Asn Tyr Gln Ile Leu Val Ser Lys Leu Gln Lys
20 25 30
Gly Asp Pro Leu Pro Gln Asp Leu Asn Pro Asp Glu Thr Thr Gly Thr
35 40 45
Leu Ala Asp Glu Ser Ser Tyr Ser Asp Ile Gly Gln Lys Lys Met Val
50 55 60
Val Asn Gln Gln His Leu Lys Asn Ala Trp Asp Ala Ser Gln Lys Ser
65 70 75 80
Thr Arg Glu Asp Trp Gln Glu Trp Ile Arg Arg Phe Ser Val Glu Leu
85 90 95
Leu Lys Glu Ser Pro Ser Pro Ala Leu Arg Ala Cys Ala Ser Leu Ala
100 105 110
Gly Ile Tyr Gln Pro Leu Ala Arg Asp Leu Phe Asn Ala Ala Phe Val
115 120 125
Ser Cys Trp Thr Glu Leu Tyr Asp Gln Tyr Gln Glu Glu Leu Val Arg
130 135 140
Ser Ile Glu Lys Ala Leu Thr Ser Pro Asn Ile Pro Pro Glu Ile Leu
145 150 155 160
Gln Ile Leu Leu Asn Leu Ala Glu Phe Met Glu His Asp Asp Lys Ala
165 170 175
Leu Pro Ile Asp Ile Arg Thr Leu Gly Lys Tyr Ala Ala Lys Cys Val
180 185 190
Phe Thr Thr Ser Ala Arg Ile Arg Ile Gly Thr
195 200

<210> 22415
<211> 153
<212> PRT
<213> A.fumigatus

<400> 22415
Leu Leu Leu Arg Pro Tyr Ile Ser Ser Asn Asn Ser Val Tyr Glu Met
1 5 10 15
Thr Thr Ile Cys Thr Thr Pro Asn Ser Pro Pro Glu Leu Ser Gly Ser
20 25 30
Lys Ser Ser Lys Ser Ser Ser Phe Arg Ser Ser Ser Gln Leu Ser Gly
35 40 45
Pro Asp Gly Ile Leu Ala Asp Ile Ser Asn Phe Glu Glu Ile Gly Leu
50 55 60
Glu Asp Asp Pro Glu Met Pro Tyr Met Asp Gly Val Thr Ala Val Tyr
65 70 75 80
Gly Lys Ser Gly Val Met Val Arg Ser Thr Thr Ala Arg Leu Gln Pro
85 90 95
Lys Thr Pro Thr Thr Thr Thr Arg Asp Leu Thr Ser Asn Val Lys Pro
100 105 110
Thr Arg Thr Pro His Pro Ser Leu Lys Gly His Ala Asn Gly Ala Leu
115 120 125
Thr Lys Pro Lys His Ser Ser Thr Lys Ile Gly Ser Gly Lys Ser Ser
130 135 140
Arg Arg Gly Trp Lys Asp Thr Ser Thr
145 150

<210> 22416

<211> 325
<212> PRT
<213> A.fumigatus

<400> 22416
Ser Arg Ser Cys Gln Pro Val Val Lys Thr Glu Asp Asp Leu Thr Asp
1 5 10 15
Asp Glu Glu Thr Asp Glu Gln Glu Ala Pro Asp Val Glu Ala Ala Ala
20 25 30
Thr Glu Lys Ala Asp Ile Glu Gly Leu Glu Ala Glu Glu Gln Met Val
35 40 45
Ile Asp Gly Gly Leu Asp Arg Asp Asp Gln Arg Arg Asn Lys Asn Leu
50 55 60
Ile Val Pro Ala Arg Gln Ile Asp Ala Tyr Trp Leu Gln Arg Gln Val
65 70 75 80
Gly Ser Val Tyr Thr Asp Ala His Ile Gln Gln Glu Lys Ala Thr Gln
85 90 95
Ala Leu Glu Ile Leu Gly Gly Lys Ala Glu Asp Gly Thr Glu Lys Ser
100 105 110
Leu Arg Asp Val Glu Asn Asp Leu Met Glu Leu Phe Asp Tyr Glu His
115 120 125
Pro Asp Leu Val Ala Lys Phe Val Met Asn Arg Asp Lys Ile Val Trp
130 135 140
Val Thr Arg Trp Arg Met Val Ala Glu Asp Ala Asp Ala Arg His Leu
145 150 155 160
Val Glu Ser Glu Met Val Glu Ala Gly His Arg Ala Ile Leu Asp Glu
165 170 175
Ile Arg Gly Lys Thr Val Arg Asp Glu Ala Ala Gly Arg Pro Glu Lys
180 185 190
Lys Ile Lys Leu Asp Leu Met Asp Val Asp Val Pro Ser Ala Pro Ala
195 200 205
Pro Glu Glu Lys Pro Thr Glu Gly Gly Leu Val Gly Gly Leu Gln Pro
210 215 220
Lys Arg Leu Ile Asn Leu Glu Asn Leu Val Phe His Gln Gly Asn His
225 230 235 240
Leu Met Thr Asn Pro Asn Val Lys Leu Pro Gln Gly Ser Thr Lys Arg
245 250 255
Thr Phe Lys Gly Tyr Glu Glu Ile His Val Pro Pro Pro Lys Pro Lys
260 265 270
Arg Asp Pro Gly Glu Lys Asn Ile Pro Ala Thr Glu Leu Pro Glu Trp
275 280 285
Ala Arg Ile Gly Phe Gly Ser Ala Lys Glu Leu Asn Arg Val Gln Thr
290 295 300
Lys Cys Tyr Pro Ala Ala Phe His Asp Asp Gly Asn Met Leu Val Cys
305 310 315 320
Ala Pro Thr Gly Ser
325

<210> 22417
<211> 108
<212> PRT
<213> A.fumigatus

<400> 22417
Lys Met Lys Ser Pro Ala Ser Arg Ser Leu Pro Lys Glu Asp Ser Ile
1 5 10 15

```
Glu Val Ser Arg Ser Pro Cys Glu Thr Gly Ser Asn Leu Leu His Glu
            20                  25                  30
Phe Leu Thr Gln Ser Leu Asn Gln Asn Leu Tyr Trp Leu Gln Val Lys
        35                  40                  45
Ser Gln Gln Tyr Ile Phe Leu Arg Ser His Gly Ile Pro Val Pro Lys
    50                  55                  60
Ile Tyr Gly Tyr Ser Ala Val Ala Asp Asn Pro Ala Gly Thr Glu Tyr
65                  70                  75                  80
Ile Phe Met Glu Leu Val Gln Gly Gln Asn Leu Gly Asp Ile Trp Phe
                85                  90                  95
Thr Leu Ser Glu Gln Glu Arg Ile Thr Leu Val Thr
            100                 105
```

<210> 22418
<211> 131
<212> PRT
<213> A.fumigatus

<400> 22418

```
Arg Pro Pro Val Leu Pro Phe Ala Glu Glu Lys Asn His Val Leu Asn
1               5                   10                  15
Met Lys Gln Val Lys Glu His Leu Tyr Lys Phe Gln Ser Leu Ser Ser
            20                  25                  30
Glu Asp Ala Glu Phe Glu Pro Thr Leu Lys Ser Leu Trp Ser Asn Leu
        35                  40                  45
Gly Gln His Ile Lys Glu Glu Glu Ser Asp Asp Leu Pro Ser Leu Glu
    50                  55                  60
Lys Thr Leu Asp Gln Asp Asp Ser Glu Lys His Thr Lys Lys Phe Met
65                  70                  75                  80
Arg Thr Lys Lys Phe Ile Pro Thr Arg Ser His Pro Ser Ala Pro Asp
                85                  90                  95
Lys Pro Pro Phe Glu Thr Val Ala Gly Leu Met Ala Ala Pro Ile Asp
            100                 105                 110
His Leu Ala Asp Leu Phe Arg Lys Phe Pro Glu Glu Ser Lys Ser Gln
        115                 120                 125
Leu Pro Pro
    130
```

<210> 22419
<211> 137
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (27),(48)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22419

```
Pro Gly Met Ser Gln Gln Thr Ser Ile Ser Thr Ile Gly Lys Thr Thr
1               5                   10                  15
Thr Leu Lys Ala Pro Thr Thr Ile Val Thr Xaa Thr Leu Leu Ala Thr
            20                  25                  30
Lys Thr Ser Thr Ile Thr Ile Val Gly Val Thr Gln Thr Val Thr Xaa
        35                  40                  45
Leu Lys Thr Thr Thr Ile Glu Ser Thr Val Ser Leu Arg Arg Arg Thr
```

```
    50                  55                  60
Leu Thr Val Thr Lys Ser Thr Val Ser Thr Ile His Ser Thr Val Thr
65                  70                  75                  80
Leu Ala Thr Pro Thr Ser Thr Val Val Lys Thr Thr Thr Tyr Arg Leu
                85                  90                  95
Lys Leu Ser Ala Thr Phe Thr Ser Arg Ala Thr Ser Thr Lys Thr Thr
            100                 105                 110
Thr Val Lys Lys Thr Val Thr Gln Thr Gln Thr Val Thr Lys Thr Ser
        115                 120                 125
Lys Gly Ala Gly Thr Cys Pro Thr Asn
    130                 135
```

<210> 22420
<211> 65
<212> PRT
<213> A.fumigatus

<400> 22420

```
Ser Leu Arg Arg Cys Arg Pro His His Ile Thr Ser Cys His Phe Thr
1               5                   10                  15
Trp Leu Ala His Glu Pro Ala Cys Pro Ser Trp Val Gly Leu Ser Asp
            20                  25                  30
Asp Ile Arg Phe Asn Asp Tyr Met Asp Asn Val Ser Met Trp Ile Trp
        35                  40                  45
Arg Gly Asn Thr Glu Pro Thr Ala Thr Leu Val Tyr Phe Leu Ile Ser
    50                  55                  60
Gly
65
```

<210> 22421
<211> 224
<212> PRT
<213> A.fumigatus

<400> 22421

```
Ala Arg Ile Val Pro Ala Pro Val Val Glu Asp Pro Met Ser Leu Val
1               5                   10                  15
Ile Ser Ser Phe Ala Pro Val Gly Asp Phe Arg Lys Thr Trp Thr Pro
            20                  25                  30
Ala Leu Arg Ser Val Glu Asp Val Gly Asp Thr Val Leu Met Phe Val
        35                  40                  45
Asp Leu Ser Phe Gly Arg Lys Thr Leu Gly Gly Ser Ala Leu Ala Gln
    50                  55                  60
Val Phe Asn Gln Val Gly Asp Glu Cys Pro Asp Leu Arg Asp Val Glu
65                  70                  75                  80
Ile Phe Arg Asp Phe Phe Asp Ala Thr Gln Gln Leu Gln Glu Ala Gly
                85                  90                  95
Ile Val Leu Ala Tyr His Asp Arg Ser Asp Gly Gly Leu Phe Thr Thr
            100                 105                 110
Leu Ala Glu Met Met Phe Ala Gly Arg Cys Gly Val Glu Ile Met Leu
        115                 120                 125
Asp Asn Ile Cys Pro Thr Asn Ser Thr Gln Asp Leu Val Ser Thr Leu
    130                 135                 140
Phe Thr Glu Glu Leu Gly Ala Val Phe Gln Val Arg Lys Glu His Glu
145                 150                 155                 160
Ile Gln Phe Arg Ser Cys Phe Ala Thr Cys Gly Pro Pro Ala Gly Leu
```

```
                165                 170                 175
Ile His Lys Ile Gly Arg Val Ser Glu Arg Pro Lys Gln Asn Leu Ala
            180                 185                 190
Ile Tyr Tyr Lys Ala Ser Leu Val Tyr Arg Asn Asn Arg Ala Ser Leu
        195                 200                 205
Gln Gln Thr Trp Ala Thr Thr Ser Tyr His Met Gln Lys Ile Arg Asp
    210                 215                 220
```

<210> 22422
<211> 226
<212> PRT
<213> A.fumigatus

<400> 22422

```
Val Thr Asp Leu Leu His Val Ile Arg Gly Gly Ser Pro Gly Leu Leu
1               5                   10                  15
Glu Ala Arg Ala Ile Val Ala Val Tyr Gln Ala Gly Leu Val Val Asp
            20                  25                  30
Gly Gln Val Leu Leu Trp Pro Phe Gly Asp Ala Thr Asp Leu Val Asp
        35                  40                  45
Gln Ala Ser Arg Gly Ala Thr Gly Gly Lys Ala Arg Ala Glu Leu Asp
    50                  55                  60
Leu Met Leu Leu Ala His Leu Glu Asp Arg Thr Gln Leu Phe Arg Glu
65                  70                  75                  80
Glu Gly Arg Tyr Glu Ile Leu Cys Ala Val Gly Gly Ala Asp Val Val
                85                  90                  95
Gln His Asp Phe His Ala Ala Ala Ser Gly Lys His His Leu Arg Lys
            100                 105                 110
Ser Ser Glu Glu Thr Thr Ile Arg Ser Val Val Val Gly Gln Asn Asp
        115                 120                 125
Ala Cys Leu Leu Glu Leu Leu Ser Ser Val Glu Glu Val Pro Glu Asp
    130                 135                 140
Leu His Ile Ala Glu Ile Arg Ala Phe Ile Ser Asn Leu Val Glu Asp
145                 150                 155                 160
Leu Ser Glu Gly Arg Ala Ala Gln Gly Leu Ala Ala Lys Arg Glu Val
                165                 170                 175
Asn Glu His Gln Asn Gly Val Thr Asp Ile Leu Asn Ala Ala Glu Gly
            180                 185                 190
Trp Cys Pro Gly Leu Thr Glu Ile Thr Asp Gly Arg Glu Gly Arg Asp
        195                 200                 205
His Glu Gly His Trp Val Phe Asn His Gly Ser Trp His Asp Pro Arg
    210                 215                 220
Leu Asp
225
```

<210> 22423
<211> 329
<212> PRT
<213> A.fumigatus

<400> 22423

```
Arg Gln Lys Lys Ala Ala Ser Ser Lys Ala Gly Val Ser Gln Val Leu
1               5                   10                  15
Ser Arg Tyr Thr Tyr Ala Ser Thr Leu Ser His Leu Arg Arg Thr Asn
            20                  25                  30
Thr Pro Ile Gly Arg Asp Gly Lys Ile Ala Lys Pro Arg Gln Leu His
```

```
        35                  40                  45
Asn Thr His Trp Gly Leu Val Cys Pro Ala Glu Thr Pro Glu Gly Gln
    50                  55                  60
Ala Cys Gly Leu Val Lys Asn Leu Ala Leu Met Cys Tyr Ile Thr Val
65                  70                  75                  80
Gly Thr Pro Ser Glu Pro Ile Ile Asp Phe Met Ile Gln Arg Asn Met
                85                  90                  95
Glu Val Leu Glu Glu Phe Glu Pro Gln Val Thr Pro Asn Ala Thr Lys
            100                 105                 110
Val Phe Val Asn Gly Val Trp Val Gly Val His Arg Asp Pro Ala His
        115                 120                 125
Leu Val Asn Thr Met Leu Ser Leu Arg Arg Arg Asn Met Ile Ser His
    130                 135                 140
Glu Val Ser Leu Ile Arg Asp Ile Arg Glu Arg Glu Phe Lys Ile Phe
145                 150                 155                 160
Thr Asp Ala Gly Arg Val Cys Arg Pro Leu Phe Val Val Asp Asn Asp
                165                 170                 175
Pro Lys Ser Glu Asn Cys Gly Ser Leu Val Leu Asn Lys Asp His Ile
            180                 185                 190
Arg Lys Leu Glu Gln Asp Lys Glu Leu Pro Ala Asp Leu Asp Pro Glu
        195                 200                 205
Asp Arg Arg Glu Arg Tyr Phe Gly Trp Asp Gly Leu Val Lys Ser Gly
    210                 215                 220
Val Val Glu Tyr Val Asp Ala Glu Glu Glu Glu Thr Ile Met Ile Val
225                 230                 235                 240
Met Thr Pro Glu Asp Leu Glu Ile Ser Lys Gln Phe Gln Ala Gly Tyr
                245                 250                 255
Ala Ser Ser Gly Arg Arg Gln Ser Gln Gln Ser Leu Phe Val Ser Ile
            260                 265                 270
Leu Ile Gln Lys Gly Pro His Phe Glu Arg Asn Gly Lys Ile Asn Pro
        275                 280                 285
His Phe Asp Ser Trp Gly Val Gly Ala Asn Ile His Phe Leu Ser Arg
    290                 295                 300
Asp Ser Asn Pro Val Arg Leu Trp Asn Tyr Leu Ser Asn Ser Gly Asn
305                 310                 315                 320
Gly Ala Asn Lys Pro Leu Gly Phe Val
                325
```

<210> 22424
<211> 124
<212> PRT
<213> A.fumigatus

<400> 22424

```
Val Ile Thr Ile Cys Asp Gly Ile Ala Arg Asp Gln Arg Arg Leu Met
1               5                   10                  15
Val Cys Ile Gly Lys Tyr Val Ala Ala Val Leu Lys Asn Pro Ser Glu
            20                  25                  30
Ser Leu Gly Ala Gln Ile Leu Ala Ala Glu Asp Tyr Tyr Thr Pro Thr
        35                  40                  45
Arg Ile Leu Gln Glu Phe Glu Glu Val Thr Gly Gln Lys Ala Arg Phe
    50                  55                  60
Val Gln Val Asp Pro Asp Thr Phe Lys Ser Phe Met Pro Gly Leu Ile
65                  70                  75                  80
Gly Glu Glu Met Leu Gln Asn His Leu Phe Ile Glu Asn Pro Gly Tyr
                85                  90                  95
```

```
Phe Asn Gly Arg Asp Leu Lys Glu Ser Asn Asp Trp Leu Glu Lys Ala
            100                 105                 110
Gly Tyr Gln Leu Met Ser Trp Arg Glu Phe Leu Glu
        115                 120
```

<210> 22425
<211> 66
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (1)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22425

```
Xaa Gly Lys Pro Arg Val Glu Gln Asn Ile Arg Ser Thr Gly Val Arg
1               5                   10                  15
Val Thr Phe Val Leu Pro Gly Tyr Phe Met Ser Asn Tyr Pro Glu Val
            20                  25                  30
Gly Met Leu Arg Lys Gly Glu Asp Gly Val Tyr Asn Leu Ala Tyr Pro
        35                  40                  45
Val Gly Gln Asn Ala Lys Phe Pro Leu Val Asp Ile Glu Ala Asp Met
    50                  55                  60
Gly Arg
65
```

<210> 22426
<211> 183
<212> PRT
<213> A.fumigatus

<400> 22426

```
Val Trp Asp Asp Leu Ala Ser Ile Pro Ala Val Leu Glu Pro Ala Asp
1               5                   10                  15
Gly Glu Ala Val Val Ser Leu Leu Ser Asp Ala Ser Phe Asp Pro Glu
            20                  25                  30
Phe Pro Ser Thr Ala Glu Glu Pro Phe Glu Pro Val Glu Thr Glu Leu
        35                  40                  45
Leu Pro Pro Gln Leu Thr Pro Ser Glu Ile Gln Met Ile Glu Ser Phe
    50                  55                  60
Arg Arg His Ala Ala Leu Glu Thr Ser Thr Pro Thr Pro Ala Thr Glu
65                  70                  75                  80
Pro Leu Ser Leu Thr His Arg Leu Thr Ser Leu Ser Leu Val Pro Asp
                85                  90                  95
Ile Gln Ser Val Leu Asp Ser Val Pro Ala Ala Gln Ala Thr Asp Ala
            100                 105                 110
Thr Ala Leu Arg Asp Ala Val Leu Lys Gly Leu Pro Gly Val Ala Glu
        115                 120                 125
Trp Ile Ala Val Glu Glu Arg Tyr His Asp Glu Val Trp Gly Tyr Leu
    130                 135                 140
Arg Pro Thr Leu Glu Ala Ala Ala Lys Glu Met Glu Glu Arg Lys Glu
145                 150                 155                 160
Gln Gly Ala Pro Val Glu Asp Gly Pro Ala Val Arg Arg Leu Lys Met
                165                 170                 175
Ile Leu Arg His Met Gln Thr
```

180

<210> 22427
<211> 207
<212> PRT
<213> A.fumigatus

<400> 22427
Lys Ser Lys Pro Asn Ser Lys Ala Ser Val Pro Ser Glu Gln Gly Glu
1 5 10 15
Thr Leu Thr Ser Asp Ile Tyr Gln Val Cys Ile Cys Leu Lys Ile Ile
20 25 30
Phe Asn Arg Leu Thr Ala Gly Pro Ser Ser Thr Gly Ala Pro Cys Ser
35 40 45
Leu Arg Ser Ser Ile Ser Phe Ala Ala Ala Ser Ser Val Gly Arg Arg
50 55 60
Tyr Pro Gln Thr Ser Ser Trp Tyr Arg Ser Ser Thr Ala Ile His Ser
65 70 75 80
Ala Thr Pro Gly Arg Pro Phe Arg Thr Ala Ser Arg Ser Ala Val Ala
85 90 95
Ser Val Ala Cys Ala Ala Gly Thr Leu Ser Arg Thr Asp Trp Met Ser
100 105 110
Gly Thr Arg Leu Arg Asp Val Ser Leu Cys Val Ser Asp Asn Gly Ser
115 120 125
Val Ala Gly Val Gly Val Glu Val Ser Ser Ala Ala Trp Arg Arg Lys
130 135 140
Asp Ser Ile Ile Trp Ile Ser Asp Gly Val Ser Cys Gly Gly Arg Ser
145 150 155 160
Ser Val Ser Thr Gly Ser Lys Gly Ser Ser Ala Val Glu Gly Asn Ser
165 170 175
Gly Ser Lys Asp Ala Ser Glu Arg Arg Glu Thr Thr Ala Ser Pro Ser
180 185 190
Ala Gly Ser Asn Thr Ala Gly Met Glu Ala Arg Ser Ser His Thr
195 200 205

<210> 22428
<211> 100
<212> PRT
<213> A.fumigatus

<400> 22428
Thr Ser Ser Ser Ile Phe Glu Thr Thr Leu Ser Asp Thr Val Thr Asp
1 5 10 15
Asn Thr Tyr Ile Met Pro Pro Ser Glu Gln Gln Ser Gly Asn Ser Thr
20 25 30
Pro Arg Phe Thr Ser Gln Thr Thr Ser Ala Glu Asp Leu Leu Lys Ser
35 40 45
Gln Thr Val Gly Leu Val His Leu Ser Asp Phe Arg Lys Arg Arg Ala
50 55 60
Glu Val Leu Glu Gln Lys Glu Arg Glu Ala His Asp Lys Ser Leu Gly
65 70 75 80
Arg Phe Thr Ser Gly Asn Ser Arg Ser Ala Thr Pro Ser Thr Gly Asp
85 90 95
Val Thr Asp Arg
100

<210> 22429
<211> 142
<212> PRT
<213> A.fumigatus

<400> 22429
Gly Asp Trp Ile Leu Phe Thr His Glu Gly Gly Val Asp Val Gly Asp
1 5 10 15
Val Asp Ala Lys Ala Glu Lys Leu Leu Ile Pro Val Asn Leu Arg Asn
20 25 30
Tyr Pro Ser Asn Glu Glu Ile Ala Ala Ala Leu Leu Ser Lys Val Pro
35 40 45
Lys Gly Val His Asn Val Leu Val Asp Phe Ile Ser Arg Leu Tyr Ala
50 55 60
Val Tyr Val Asp Cys Gln Phe Thr Tyr Leu Glu Ile Asn Pro Leu Val
65 70 75 80
Val Ile Pro Asn Ala Glu Gly Thr Ser Ala Glu Val His Phe Leu Asp
85 90 95
Leu Ala Ala Lys Leu Asp Gln Thr Ala Glu Phe Glu Cys Gly Thr Lys
100 105 110
Trp Ala Ile Ala Arg Ser Pro Ala Asn Leu Gly Leu Ala Thr Val Pro
115 120 125
Gln Thr Gly Leu His His Gly Thr Gly Arg Ile Gly Val Ser
130 135 140

<210> 22430
<211> 201
<212> PRT
<213> A.fumigatus

<400> 22430
Ser Tyr Ile Ser Ile Val Met Ser Ala Lys Ser Ile Leu Glu Ala Asp
1 5 10 15
Gly Lys Asp Ile Leu Asn Tyr His Leu Asn Arg Ala Pro Val Ile Lys
20 25 30
Pro Thr Pro Leu Pro Pro Ser Ser Thr His Lys Pro His Pro Arg Leu
35 40 45
Ala Ser Ile Tyr Phe Pro Glu Asp Ala Ala Val Lys Asp Val Leu Asp
50 55 60
Gln Thr Arg Leu Phe Tyr Pro Trp Leu Leu Thr Pro Gly Ala Lys Phe
65 70 75 80
Val Ala Lys Pro Asp Gln Leu Ile Lys Arg Arg Gly Lys Ser Gly Leu
85 90 95
Leu Ala Leu Asn Lys Thr Trp Pro Glu Ala Arg Glu Trp Ile Glu Ala
100 105 110
Arg Ala Gly Lys Glu Ile Lys Val Glu Thr Val Thr Gly Val Leu Arg
115 120 125
Gln Phe Leu Val Glu Pro Phe Val Pro His Pro Gln Glu Thr Glu Tyr
130 135 140
Tyr Ile Asn Ile Asn Ser Val Arg Glu Val Ser Asp Ser Gly Asp Ser
145 150 155 160
Gln Asn Gly Ala Arg Phe Gly Arg Leu Met Asn Phe Ser Arg Val Thr
165 170 175
Gly Ser Ser Ser Leu Thr Arg Val Val Trp Thr Leu Ala Met Leu Met
180 185 190
Pro Arg Pro Arg Ser Phe Leu Ser Pro

195 200

<210> 22431
<211> 239
<212> PRT
<213> A.fumigatus

<400> 22431
Gln Ala Asp Val Val Val Tyr Ala Gly Gly Ile Asp Asn Thr Ile Glu
1 5 10 15
Ala Glu Gly Arg Asp Arg Thr Thr Ile Ala Trp Pro Gly Asn Gln Val
20 25 30
Asn Leu Ile Asp Gln Leu Ser Lys Ile Gly Lys Pro Leu Val Val Val
35 40 45
Gln Phe Gly Gly Gly Gln Val Asp Asp Ser Ser Leu Leu Ser Asn Pro
50 55 60
Arg Val Asn Ala Leu Leu Trp Ala Gly Tyr Pro Ser Gln Glu Gly Gly
65 70 75 80
Ser Ala Ile Phe Asp Ile Leu Thr Gly Lys Thr Ala Pro Ala Gly Arg
85 90 95
Leu Pro Val Thr Gln Tyr Pro Ala Asp Tyr Val Asn Gln Val Pro Met
100 105 110
Thr Asp Met Ala Leu Arg Pro Gly Ser Asn Thr Pro Gly Arg Thr Tyr
115 120 125
Arg Trp Tyr Asp Lys Ala Val Leu Pro Phe Gly Phe Gly Leu His Tyr
130 135 140
Thr Thr Phe Lys Ile Ser Trp Pro Arg Arg Ala Leu Gly Pro Tyr Asn
145 150 155 160
Thr Ala Ala Leu Val Ser Arg Ser Pro Lys Asn Val Pro Ile Asp Arg
165 170 175
Ala Ala Phe Asp Thr Phe His Ile Gln Val Thr Asn Thr Gly Lys Thr
180 185 190
Thr Ser Asp Tyr Val Ala Leu Leu Phe Leu Lys Thr Thr Asp Ala Gly
195 200 205
Pro Lys Pro Tyr Pro Leu Lys Thr Leu Val Gly Tyr Thr Arg Ala Lys
210 215 220
Gln Ile Lys Pro Gly Glu Lys Arg Ser Val Asp Ile Glu Val Ser
225 230 235

<210> 22432
<211> 200
<212> PRT
<213> A.fumigatus

<400> 22432
Cys Ser Thr Thr Gly Val Val Val Arg Met Leu Glu Arg Pro Asp Asp
1 5 10 15
Phe Gln Asp Ile Thr His Val Val Leu Asp Glu Val His Glu Arg Ser
20 25 30
Ile Asp Ser Asp Phe Leu Leu Ile Val Leu Arg Arg Leu Met Gln Lys
35 40 45
Arg Pro Asp Leu Lys Leu Ile Leu Met Ser Ala Thr Leu Glu Ala Gln
50 55 60
Arg Phe Ser Ser Tyr Leu Gly Gly Val Pro Val Leu Asn Ile Pro Gly
65 70 75 80
Arg Thr Phe Pro Val Glu Met Lys Phe Leu Glu Asp Ala Ile Glu Leu

```
                85                  90                  95
Thr Asn Tyr Arg Leu Leu Glu Asn Glu Ala Asn Ser Val Ile Asp Glu
            100                 105                 110
Asp Leu Asp Asp Thr Pro Ser Asp Asn Gly Glu Gly Asp Thr Ala Gly
        115                 120                 125
Gly Leu Leu Ala Thr Leu Glu Gly Tyr Ser Lys Gln Thr Arg Glu Thr
    130                 135                 140
Val Leu Thr Phe Asp Glu Tyr Arg Leu Asp Tyr Gln Leu Ile Lys Lys
145                 150                 155                 160
Leu Leu Val Lys Leu Ala Ser Ala Pro Glu Met Ala Ser Tyr Ser Arg
                165                 170                 175
Ala Ile Leu Val Phe Met Pro Gly Met Ala Glu Ile Arg Arg Leu Asn
            180                 185                 190
Asp Glu Ile Leu Ser Asp Pro Ile
        195                 200
```

<210> 22433
<211> 87
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (69)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22433

```
Phe Gln Gly Arg Asp Glu Pro Ser Gly Phe Gly Asn Leu Lys Arg Arg
1               5                   10                  15
Ile Leu Lys His Val Glu Gln Gly Leu Gly Pro Tyr Ser Ser Ala Gly
            20                  25                  30
Arg Gln Glu Val Glu Lys Arg Arg Gln Val Leu Ser Phe Ile Leu Glu
        35                  40                  45
His Glu Trp Lys Pro Ala Arg Leu Cys Lys Ile Tyr Gly Thr Glu Pro
    50                  55                  60
Arg Arg Ile Phe Xaa Ile Ser Leu Ala Arg Arg Val Asn Glu Glu Leu
65                  70                  75                  80
Gly Glu Ser Lys Ala Asp Val
                85
```

<210> 22434
<211> 75
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (36)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22434

```
Leu Tyr Phe Pro Ala Glu Gln Gln Asn Gln Ser Glu Asp Gly Ala Val
1               5                   10                  15
Ser Asn Val Cys Leu Thr Leu Ser Lys Leu Leu Ile Asp Ser Ala Arg
            20                  25                  30
Gln Gly Tyr Xaa Lys Asp Ser Pro Arg Leu Arg Pro Ile Asn Leu Ala
```

```
        35                  40                  45
Lys Thr Ser Trp Phe Pro Leu Met Leu Lys Asp Glu Gly Lys Tyr Leu
    50                  55                  60
Pro Ser Phe Phe His Phe Leu Ser Pro Cys Arg
65                  70                  75
```

<210> 22435
<211> 245
<212> PRT
<213> A.fumigatus

<400> 22435

```
Arg Gly Leu Ile Gly Leu Tyr Asp Pro Pro Arg Pro Glu Thr Ala Gly
1               5                  10                  15
Ala Ile Arg Ala Cys Ala Gln Ala Gly Ile Ala Val His Met Val Thr
            20                  25                  30
Gly Asp His Pro Gly Thr Ala Thr Ala Ile Ala Gln Gln Val Gly Ile
        35                  40                  45
Leu Pro Ser Asp Leu Gly Ser Val Ala Ala Asp Val Ala Asp Ala Met
    50                  55                  60
Val Met Thr Ala Gly Gln Phe Asp Lys Leu Thr Asp Arg Glu Val Asp
65                  70                  75                  80
Ala Leu Pro Thr Leu Pro Leu Val Ile Ala Arg Cys Ala Pro Gln Thr
                85                  90                  95
Lys Val Arg Met Ile Asp Ala Leu His Arg Arg Gly Gln Phe Ala Ala
            100                 105                 110
Met Thr Gly Asp Gly Val Asn Asp Ser Pro Ser Leu Lys His Ala Asp
        115                 120                 125
Val Gly Ile Ala Met Gly Gln Ala Gly Ser Asp Val Ala Lys Asp Ala
    130                 135                 140
Ser Asp Ile Ile Leu Thr Asp Asp Asn Phe Ala Ser Ile Leu Asn Ala
145                 150                 155                 160
Val Glu Glu Gly Arg Arg Ile Phe Asp Asn Ile Gln Lys Phe Val Leu
                165                 170                 175
His Leu Leu Ser Glu Asn Ile Ala Gln Ala Cys Thr Leu Leu Ile Gly
            180                 185                 190
Leu Ala Phe Lys Asp Leu Asp Gly Gln Ser Val Phe Pro Leu Ala Pro
        195                 200                 205
Val Glu Ile Leu Trp Ile Ile Met Ile Thr Ser Gly Met Pro Asp Met
    210                 215                 220
Gly Leu Ala Met Glu Val Val Phe Thr Asn Gly Arg Gln Glu Gly Gln
225                 230                 235                 240
Thr Val Pro Pro Arg
                245
```

<210> 22436
<211> 254
<212> PRT
<213> A.fumigatus

<400> 22436

```
Ala Gly Gly Asp Arg Leu Ser Phe Leu Ala Ala Val Gly Glu Asp Asp
1               5                  10                  15
Phe His Gly Gln Pro His Val Arg His Ala Gly Gly Asp His Asp Asp
            20                  25                  30
Pro Glu Asp Leu Asp Gly Gly Glu Arg Glu Asp Gly Leu Ala Val Gln
```

```
        35                  40                  45
Val Leu Glu Gly Gln Ala Asp Glu Gln Arg Ala Gly Leu Arg Asp Val
    50                  55                  60
Leu Arg Gln Gln Met Gln His Glu Phe Leu Asp Val Val Glu Asp Ala
65                  70                  75                  80
Pro Ala Phe Leu Asp Gly Val Glu Asp Arg Arg Lys Val Val Val Arg
                85                  90                  95
Gln Asp Asp Val Arg Arg Val Leu Gly Asp Val Gly Ala Arg Leu Ala
            100                 105                 110
His Arg Asp Ala Asp Val Arg Val Leu Gln Arg Gly Arg Val Ile His
        115                 120                 125
Pro Val Ala Arg His Arg Gly Glu Leu Ala Pro Ala Met Gln Arg Val
    130                 135                 140
Asn His Pro His Leu Gly Leu Arg Gly Ala Pro Arg Asn Asp Gln Arg
145                 150                 155                 160
Glu Arg Arg Gln Arg Val His Leu Ala Val Gly Gln Leu Val Glu Leu
                165                 170                 175
Ala Arg Arg His Asp His Arg Val Gly His Val Arg Gly Asp Ala Ser
            180                 185                 190
Gln Ile Arg Arg Glu Asp Pro His Leu Leu Arg Asn Gly Arg Gly Arg
        195                 200                 205
Pro Arg Val Ile Ala Arg His His Val His Gly Asp Ala Gly Leu Gly
    210                 215                 220
Ala Gly Ala Asp Gly Pro Arg Gly Phe Gly Ala Gly Arg Ile Ile Gln
225                 230                 235                 240
Pro Asp Gln Ala Ser Ser Pro Arg Gly Arg Lys Asp Pro Ser
                245                 250
```

<210> 22437
<211> 211
<212> PRT
<213> A.fumigatus

<400> 22437

```
Arg Arg Gly Gly Thr Val Cys Pro Ser Trp Arg Pro Leu Val Lys Thr
1               5                   10                  15
Thr Ser Met Ala Ser Pro Met Ser Gly Met Pro Glu Val Ile Met Met
            20                  25                  30
Ile Gln Arg Ile Ser Thr Gly Ala Ser Gly Lys Thr Asp Trp Pro Ser
        35                  40                  45
Arg Ser Leu Lys Ala Arg Pro Met Ser Ser Val Gln Ala Cys Ala Met
    50                  55                  60
Phe Ser Asp Ser Arg Cys Ser Thr Asn Phe Trp Met Leu Ser Lys Met
65                  70                  75                  80
Arg Arg Pro Ser Ser Thr Ala Leu Arg Ile Asp Ala Lys Leu Ser Ser
                85                  90                  95
Val Arg Met Met Ser Asp Ala Ser Leu Ala Thr Ser Glu Pro Ala Trp
            100                 105                 110
Pro Ile Ala Met Pro Thr Ser Ala Cys Phe Ser Glu Gly Glu Ser Phe
        115                 120                 125
Thr Pro Ser Pro Val Ile Ala Ala Asn Trp Pro Arg Arg Cys Ser Ala
    130                 135                 140
Ser Ile Ile Arg Thr Leu Val Cys Gly Ala His Arg Ala Met Thr Ser
145                 150                 155                 160
Gly Ser Val Gly Asn Ala Ser Thr Ser Arg Ser Val Ser Leu Ser Asn
                165                 170                 175
```

```
Trp Pro Ala Val Met Thr Ile Ala Ser Ala Thr Ser Ala Ala Thr Leu
            180                 185                 190
Pro Arg Ser Asp Gly Arg Ile Pro Thr Cys Cys Ala Met Ala Val Ala
        195                 200                 205
Val Pro Gly
    210
```

<210> 22438
<211> 74
<212> PRT
<213> A.fumigatus

<400> 22438

```
Lys Cys Val Ala Thr Val Phe Ser Cys Ser Asp Tyr Gln Met Thr Phe
1               5                   10                  15
Gly Phe Arg Pro Asp Ala Arg Arg Glu Asp Pro Ser Asn Asp Ile Ala
            20                  25                  30
Thr Glu Leu Ala Ile Leu Gly Pro Pro Gly Leu Ala Glu His His Ala
        35                  40                  45
Gln Leu Gln Leu Val Trp Ala Asn His Ile Asn Tyr Ser Ser Cys Phe
    50                  55                  60
Gln Glu Ser Ile Leu Phe Phe Trp Cys Ala
65                  70
```

<210> 22439
<211> 322
<212> PRT
<213> A.fumigatus

<400> 22439

```
Pro Leu Glu His Gly Met Asp Met Gly Arg Met Lys Ser Glu Val Ser
1               5                   10                  15
Ile Phe Ser Arg Ser Ala Thr Val Glu Cys Lys Ile Arg Asp Val Leu
            20                  25                  30
Ile Gly Ile Asp Phe Lys Tyr Leu Thr Pro Lys Leu Arg Leu Glu Pro
        35                  40                  45
Ser Met Leu Ser Asp Ser Gln Val Phe Ser Lys Thr Phe His Met Val
    50                  55                  60
Cys Ser Ser Ser Arg Cys Ile Thr Ile Val Glu Asp Ile Leu Arg Arg
65                  70                  75                  80
Arg Asp Asp Leu Trp Lys Glu Gly Lys Ala Pro Ser Ala Thr Gly Ala
                85                  90                  95
Thr Lys Arg Pro Ile Phe Ile Trp Glu Pro Val Pro Asp Leu Cys Thr
            100                 105                 110
Pro Glu Glu Gln Asp Arg Phe Leu Glu Ala Ala Arg Val Val Asp Val
        115                 120                 125
Val Ser Pro Asn Glu Leu Glu Leu Gly Met Met Phe Gly Gln Pro Gly
    130                 135                 140
Trp Thr Glu Asp Ser Glu Phe Gly Arg Asp Val Val Thr Arg Ile Leu
145                 150                 155                 160
Thr Ser Gly Ile Gly Pro Glu Ser Glu Gly His Leu Val Ile Arg Ala
                165                 170                 175
Gly Lys Asp Gly Ser Tyr Thr Phe Ser Arg Lys Glu Arg Ile Trp Leu
            180                 185                 190
Pro Ala Tyr His Gln Pro Gly Thr Ser Gly Val Thr Ala Val Val Asp
        195                 200                 205
```

```
Pro Thr Gly Ala Gly Asn Ser Phe Leu Gly Ala Leu Ala Gln Gly Leu
    210                 215                 220
Ile Ser Ser Glu Arg Asp Pro Gly Met Ile Ile Ser Ser Val Leu Ala
225                 230                 235                 240
Lys Cys Gly Asp Trp Gln Thr Ile Thr Lys Ala Ser Ala Lys Gln Arg
                245                 250                 255
Asp Met Leu Val Ala Leu Ile Cys Ala Thr Val Ala Ala Gly Phe Val
            260                 265                 270
Val Glu Gln Ile Gly Val Pro Arg Leu Thr Leu Ser Ser Glu Gly Lys
        275                 280                 285
Glu Leu Trp Asn Gly Thr Glu Phe Thr Glu Arg Val Arg Leu Tyr Thr
    290                 295                 300
Gln Arg Leu Tyr Arg Thr Phe Glu Glu Ser Pro Arg Lys His Phe Arg
305                 310                 315                 320
Asn Asn
```

<210> 22440
<211> 62
<212> PRT
<213> A.fumigatus

<400> 22440

```
Arg His Asp Arg Ala Gly Gly Pro Asp Ala Ser Thr Gly Ser Gly Phe
1               5                   10                  15
Pro Leu Thr Leu Leu Leu Asp Gly Ala Val Pro Ser Leu Tyr Leu Glu
            20                  25                  30
Ser Pro Thr Ala Phe Leu Trp Gln Phe Asp Ser Asp Pro Tyr Leu Ser
        35                  40                  45
Phe Val Ser Tyr Pro Ser Gly Cys Arg Leu Gln Lys Cys Ser
    50                  55                  60
```

<210> 22441
<211> 243
<212> PRT
<213> A.fumigatus

<400> 22441

```
Val Ile Gly Ser Gly Ile Leu Ala Asp Ala Gly Cys Arg Arg Gly Val
1               5                   10                  15
Ala Asp Glu Ile Leu Ala Arg Arg Gly Glu Glu Arg Gly Arg Lys Arg
            20                  25                  30
Glu Leu Gly Asp Ser Asp Pro Phe Asn Asp Ser His His Ala Ala Lys
        35                  40                  45
Arg Ser Arg Ser Glu Ser Ser His Ser Met Ser Ser Val Ser Thr Ile
    50                  55                  60
Ser Thr Ser Arg Ser His Ser Val Ser Pro Pro Arg His Glu Leu Tyr
65                  70                  75                  80
Thr Glu Ser Met Gly Arg Asp Arg Ala Gln Ser Met Ser Ser Pro Gln
                85                  90                  95
Pro Gln Ser Arg Lys Arg Arg Tyr Ser Val Ser Leu Ser Tyr His Thr
            100                 105                 110
Asp Ser Ser Phe Ser Ser Gly Gly Arg Gln Arg Ser Arg Ser Arg Glu
        115                 120                 125
Trp Glu Thr Asp Arg Asn Thr Arg Arg Arg Arg Arg Glu Ser Ser Pro
    130                 135                 140
```

```
Glu Glu Arg Gly Arg Pro Arg Asn Ile Ser Glu Asp Gly Ser Arg Arg
145                 150                 155                 160
Gly Arg Thr Arg Ser Leu Ser Met Asp Gln Ser Arg Ile Ala Lys Glu
                165                 170                 175
Arg Leu Ser Ala Thr Pro Asp Thr Val Lys Gly Arg His His Pro Thr
            180                 185                 190
Arg Glu Ser Arg Gly Asn Leu Ser Arg Ser Arg His Leu Asp Arg Gln
        195                 200                 205
Arg Asp His Ala Phe Ser Arg Pro Thr Ser Gly Ser Ala Arg Lys Glu
    210                 215                 220
Arg Ser Leu Ser Pro Tyr Ser Lys Arg Leu Ala Arg Thr Gly Leu His
225                 230                 235                 240
His Leu Gly
```

<210> 22442
<211> 67
<212> PRT
<213> A.fumigatus

<400> 22442

```
Leu Asp Phe Ile Val Ala Lys Thr Asn Thr Ile Tyr Leu Pro Gln Ile
1               5                   10                  15
Gln Tyr Gln Arg Ala Gln Leu Leu Ser Phe Tyr Thr Thr Ile Val Ile
            20                  25                  30
Trp Leu Thr Gly Thr Glu Thr Cys Val Leu Leu Leu Cys Ser Asn Ile
        35                  40                  45
Ser Ile Tyr Ala Gly His Thr Ile Ser Ala Lys Tyr Ala Tyr Asn His
    50                  55                  60
Leu Glu Val
65
```

<210> 22443
<211> 112
<212> PRT
<213> A.fumigatus

<400> 22443

```
Phe Ser Asn Thr Ser Gln Asp Glu Pro Trp Phe Ala Asp Gly Lys Asn
1               5                   10                  15
Leu Asp Phe Gln His Gly Asn Ser Arg Glu Lys Cys Pro Phe Ala Ala
            20                  25                  30
His Ile Arg Lys Cys Arg Pro Arg Gly Asp Val Lys Asp Thr Ser Thr
        35                  40                  45
Ser Ser Met Met Arg Arg Gly Ile Pro Tyr Gly Asp Glu Val Thr Lys
    50                  55                  60
Glu Glu Asn Asp Glu Gln Ile Thr Lys Lys Glu Arg Gly Met Phe Phe
65                  70                  75                  80
Leu Cys Tyr Gln Ser Asn Ile Ala Asn Gly Phe Arg Arg Val Gln Glu
                85                  90                  95
Arg Lys Gln Ser Asn His Cys Ile Asn Thr Thr Tyr Tyr Leu Ala Pro
            100                 105                 110
```

<210> 22444
<211> 222
<212> PRT

<213> A.fumigatus

<400> 22444
Lys Tyr Ser Arg Glu Glu Tyr Gly Glu Gly Gln Glu Gln Glu Val Gly
1 5 10 15
Gly Ser Ile His Gly Ser Asn Glu Ala Asp Cys Ala Trp Ser Leu Pro
20 25 30
Trp Lys Cys Arg Gly Ile Ile Gln Met Gly Asn Ala Ser Lys Ser Arg
35 40 45
Ile Asn Ala Phe Val Ser Leu Thr Asp Ala Arg Trp Val Trp Trp Asn
50 55 60
Thr Thr Thr Arg Glu Ala Gly Ile Pro Ala His Arg His Lys Trp Val
65 70 75 80
Gln Gly Ala Asp Ser Ser Thr Gln Asp Leu Leu Ala His Met Ser Asp
85 90 95
Ile Cys Tyr Phe Ile Asn Gln Met Ala Ser Pro Val Leu Ser Ser Leu
100 105 110
Ser Ser Leu Val Ile Glu His Lys His Asp Thr Asn Asp Glu Pro Cys
115 120 125
Arg Ala Pro Pro Glu Ala Ile Leu Ile His Cys Asp Phe Gly Ile Ser
130 135 140
Arg Ser Pro Thr Ile Ile Val Ala Tyr Ile Met Arg Lys Leu Cys Met
145 150 155 160
Pro Gln Ala Asp Val Leu Gln Phe Val Gln Ser Lys Gln Arg Ile Lys
165 170 175
Pro Ser Pro Asn Phe Thr Arg Leu Leu Lys Phe Glu Arg Arg Leu Asp
180 185 190
Ile Lys Tyr Gly Arg Thr Lys Thr Arg Gln Ser Arg Arg His Leu Arg
195 200 205
Ser His Met Val Phe Ile His Gly Gly Trp Pro Ile Gly Arg
210 215 220

<210> 22445
<211> 126
<212> PRT
<213> A.fumigatus

<400> 22445
Arg Gln Pro Phe Val Ile Gly Thr Leu Leu Glu Leu Ser Ala Ala Arg
1 5 10 15
Ala Val Asn Glu Leu Gly Gly Asn Asp Glu Ser Gly Asp Val Tyr Ala
20 25 30
Tyr Ala Gln Arg Leu Met Ala Asn Trp Asp Ala Gly Asn Phe Ser Arg
35 40 45
Asp Val Thr Asn Trp Phe Thr Val Asp Arg Met Leu Gln Glu Asn Val
50 55 60
Pro Ile Tyr Asn Gly Ile Thr Leu Ala Leu Gln Val Glu Gly Val Ala
65 70 75 80
Ser Asp Lys Thr Val Ser Gly Pro Leu Arg Arg Arg Leu Asn Asn Leu
85 90 95
Arg Leu Leu Ile Ala Asn His Asn Glu Met Ala Pro Glu Asn Val His
100 105 110
Gln Lys Pro Thr Leu Gly Tyr His Gln Ser Gln Leu Leu His
115 120 125

<210> 22446

<211> 136
<212> PRT
<213> A.fumigatus

<400> 22446
Val Thr Cys Pro Arg Ser Leu Pro Lys Leu Arg Tyr Val Pro Pro Pro
1 5 10 15
Pro Leu Arg Pro Ala Pro Pro Arg Arg Thr Ser Pro Leu Gly Leu Thr
20 25 30
Thr Pro Asn Asn Thr Ser Ala Met Pro Leu Pro Ser Ser Phe Pro Pro
35 40 45
Asn His Ala Trp Arg Cys Val Phe Thr Arg Ser Ala His Gly Ser Met
50 55 60
Leu Asn Gly Val Pro Leu Trp Val Arg Arg Met Ala Ser Gly Thr Thr
65 70 75 80
Ser Arg Thr Ala Val Thr Arg Glu Ala Thr Ala Gly Gly Arg Ser Met
85 90 95
Trp Asp Arg Ser Asn Pro Ser Asp Ser Trp Ser Arg Val Ser Pro Thr
100 105 110
Pro Arg Ile Val Met Ser Ala Arg Phe Ala Ala Ser Thr Ala Arg Ala
115 120 125
Ile Ala Arg Ser Gly Ser Thr Thr
130 135

<210> 22447
<211> 280
<212> PRT
<213> A.fumigatus

<400> 22447
Gln Ser Leu Ser Arg Arg Pro Ala Tyr His Arg Gln His Asp Cys Ala
1 5 10 15
Thr Arg Trp Gln Phe Phe Phe Gly Lys Gly Thr Leu Glu Glu Thr Ala
20 25 30
Thr Val Asp Leu Val Gln Gly Gln Ser Tyr Gln Ile Lys Val Gln Phe
35 40 45
Ala Ser Gly Leu Ser Ser Lys Leu Val Lys Pro Gly Val Val Asn Phe
50 55 60
Gly Gly Gly Ala Gly Arg Leu Gly Met Val Gln Val Val Asp Pro Glu
65 70 75 80
Arg Ala Ile Ala Arg Ala Val Glu Ala Ala Lys Arg Ala Asp Ile Thr
85 90 95
Ile Leu Gly Val Gly Leu Thr Arg Asp His Glu Ser Glu Gly Phe Asp
100 105 110
Arg Ser His Met Asp Leu Pro Pro Ala Val Ala Ser Leu Val Thr Ala
115 120 125
Val Leu Asp Val Val Pro Asp Ala Ile Leu Leu Thr Gln Ser Gly Thr
130 135 140
Pro Phe Ser Met Leu Pro Trp Ala Asp Leu Val Lys Thr His Leu His
145 150 155 160
Ala Trp Phe Gly Gly Asn Glu Leu Gly Asn Gly Ile Ala Asp Val Leu
165 170 175
Phe Gly Val Val Asn Pro Ser Gly Glu Val Arg Arg Gly Gly Ala Gly
180 185 190
Arg Arg Gly Gly Gly Gly Thr Tyr Leu Asn Phe Gly Ser Glu Arg Gly
195 200 205

```
Gln Val Thr Tyr Gly Glu Gly Ile Tyr Val Gly Tyr Lys Leu Leu Arg
    210                 215                 220
Lys Ser Pro Thr Ser Cys Ala Leu Ser Ile Arg Val Arg Ser Ala Pro
225                 230                 235                 240
Val His Pro Cys Cys Phe Arg Ser Asn Ser Leu Leu Thr Arg Phe Val
                245                 250                 255
Pro Gln Ala Arg Phe Val Val His Leu Leu Cys Val Leu Arg Phe Asp
            260                 265                 270
Gly Arg His Arg Val Arg Tyr Thr
        275                 280
```

<210> 22448
<211> 72
<212> PRT
<213> A.fumigatus

<400> 22448

```
Thr Asn Ala Lys Asp Arg Phe Leu Ile Val Leu Trp Thr Leu Tyr Leu
1               5                   10                  15
Arg Tyr Thr Tyr Leu Lys Arg Asp Pro Val Ser Leu Leu Asp Ala Glu
            20                  25                  30
Thr His Leu Gly Leu Leu Pro Gly Ala Ala Ala Asn Ala Val Ala Tyr
        35                  40                  45
His Trp Val Ala Thr Ala His Pro Arg Met Glu Met Ser Arg Asp Asn
    50                  55                  60
Thr Phe Ser Ser Leu Gln Pro Pro
65                  70
```

<210> 22449
<211> 200
<212> PRT
<213> A.fumigatus

<400> 22449

```
Leu Phe Glu Leu Arg Arg Tyr Asp His Arg Ser Ala Ser Ala Ser Ser
1               5                   10                  15
Ser Ala Asn Asp Ser Phe Asn Ser Pro Phe Ser Ser Ser Thr Ser Gly
            20                  25                  30
Lys Ser Gly Ile Ala Ile Lys Ala Ser Thr Ser Lys Pro Asn Arg Phe
        35                  40                  45
Thr Gln Leu Phe Ser Thr Ser Pro Lys Ser Lys Ser Glu Pro Gln Ser
    50                  55                  60
Ala Gln Ser Ala Leu Gln Ala Ala Ser Gly Thr Phe Gln Pro Ser Pro
65                  70                  75                  80
Val Ala Pro Pro Ile Ser Ser Ala Ser Leu Ser Leu Pro Thr Ile Ser
                85                  90                  95
Leu Ser Thr Ala Thr Ala Gly Asn Pro Asn Met Asp Glu Pro Pro Thr
            100                 105                 110
Thr Leu Phe Gln Pro Pro Ser Pro Glu Glu Ala Arg Arg Gln Ala Lys
        115                 120                 125
Gln His Ala Gln Phe Gly Pro Ile Gly His Pro Ser His Arg Tyr Ser
    130                 135                 140
Ser Arg His Pro Gly Gly Val Phe Pro Glu Pro Val Met Asp Glu Pro
145                 150                 155                 160
Pro Tyr Tyr Tyr Leu Leu Thr Thr Tyr Ile Ser Tyr Leu Ile Leu Ile
                165                 170                 175
```

```
Ala Phe Gly His Val Arg Asp Phe Phe Gly Lys Arg Phe Arg Glu Glu
            180                 185                 190
Asn Tyr Arg His Pro Glu Thr Arg
        195                 200
```

<210> 22450
<211> 88
<212> PRT
<213> A.fumigatus

<400> 22450

```
Leu Leu Ile Thr Glu Phe Ile Pro Ser Ser Ala Leu His His Arg Arg
1               5                   10                  15
Ser Thr Thr Ala Thr Trp Thr Met Ile Asn His Pro Ile Ser Trp Val
            20                  25                  30
His Thr Tyr Ser Met His Leu Gly Tyr Gln Ser Arg Gly Arg Phe Asp
        35                  40                  45
Ser Phe Ile Thr Thr Trp Val Leu Thr Met Arg Gly Ala Ser Cys Ser
    50                  55                  60
Arg His Tyr Gln Pro Lys Leu Cys Arg Pro Ser Ile Leu Gly Leu Gly
65                  70                  75                  80
Leu Cys Leu Cys Pro Pro Gly Lys
                85
```

<210> 22451
<211> 142
<212> PRT
<213> A.fumigatus

<400> 22451

```
Arg Leu Trp Ser Asp Ser Ser Leu Ile Ser Pro Arg Ile Pro Pro Asn
1               5                   10                  15
Cys Arg Phe Glu Ile Asp Asp Phe Glu Ser Pro Trp Ser Tyr Ser Gln
            20                  25                  30
Pro Phe Asp Tyr Ile His Gly Arg Glu Leu Glu Gly Ala Ile Arg Asp
        35                  40                  45
His Asp Thr Leu Phe Arg Gln Ala Tyr Glu Asn Leu Arg Pro Gly Gly
    50                  55                  60
Trp Leu Glu Met Ala Ser Met Asp Val Asn Ser Tyr Ser Asp Asp Gly
65                  70                  75                  80
Thr His Leu Lys Ala Val Asn Met Val Glu Gly Val Lys Asn Met His
                85                  90                  95
Ala Ala Ser Lys Lys His Gly Lys Asp Met Thr Thr Ala Pro Thr Trp
            100                 105                 110
Lys Ala Lys Met Glu Lys Ala Gly Phe Ile Asn Val Arg Glu Asp Ile
        115                 120                 125
Tyr Lys Val Leu Leu Cys His Thr Phe Leu Val Lys Pro Tyr
    130                 135                 140
```

<210> 22452
<211> 132
<212> PRT
<213> A.fumigatus

<400> 22452

```
His Thr Gln Gly His Thr Met Ser Gly Ile Gly Trp Gly Ala Tyr Gly
```

```
1               5                   10                  15
Thr Arg Val Gly Gln Ser Gln Gly Val Asp Val Tyr Ser Leu Gly His
            20                  25                  30
Asn Leu Leu Leu Lys Ala Ser Glu Tyr Ala Ala Lys Tyr Asn Leu Asn
        35                  40                  45
Glu Thr Val Glu Tyr Asp Pro Lys Trp Ser Arg Cys Glu Ala Val Ile
    50                  55                  60
Val His Gly Pro Trp Ala Thr Ile Ser Glu Gln Arg Arg Gly Glu Thr
65                  70                  75                  80
Asn Gln Asn Pro Met Trp Asp Ile Leu Tyr Tyr Gln Tyr Val Val Lys
                85                  90                  95
Arg Lys Ala Lys Ala Pro Trp Thr Thr Lys Ala Arg Glu Phe Glu Gly
            100                 105                 110
Phe Glu Gly Ala Val Ser Ser Asn Asp His Pro Ser Trp Gly Gly Leu
        115                 120                 125
Ile Trp Ala Tyr
    130
```

<210> 22453
<211> 122
<212> PRT
<213> A.fumigatus

```
<400> 22453
Ser Phe Leu Thr Pro Met Ala Ala Gly Thr Gln Ala Thr Arg Glu Gly
1               5                   10                  15
Trp Arg Ala Ser Tyr Arg Ala Leu Gly Ile Ala Asp Ala Val Leu Leu
            20                  25                  30
Gly Leu Phe Ile Phe Phe Tyr Glu Glu Thr Lys Tyr Thr Gln Val Val
        35                  40                  45
Met Gly Val Ser Ser Ser Val Gln Val Gly Asp Ala Pro Asn Ile Ser
    50                  55                  60
Val Lys Asp Ile Lys Thr Asp Arg Gln Pro Asp Ile Glu Cys Thr Thr
65                  70                  75                  80
Ser Arg Gln Glu Ser Asp Thr Ala Pro Ala Gln His Arg Glu Leu Asp
                85                  90                  95
Tyr Asn Ile Pro Leu Lys Thr Trp Arg Gln Arg Leu Ala Leu Val Ser
            100                 105                 110
Tyr Thr Ala Glu Pro Ile Trp Pro Cys Leu
        115                 120
```

<210> 22454
<211> 82
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (82)
<223> Identity of amino acid sequences at the above locations are unknown.

```
<400> 22454
Thr Ser Ala Lys Arg Thr Leu Thr Asp Ala Leu Pro Gly Asp Asp Ser
1               5                   10                  15
Trp Leu Asp Leu Asp Thr Trp Leu Trp Thr Gly Ser Arg Leu Pro Asn
            20                  25                  30
```

```
Cys Ser Arg Ser Gln Thr Asp Thr Tyr Pro Arg Ser Tyr Asn Ala Leu
        35                  40                  45
Phe Arg Leu Phe Pro Phe Tyr Phe Gly Asp Asn Leu Val Tyr Leu Ala
    50                  55                  60
Phe Pro Gln His Asn Met Arg Trp Ser Leu Ala Gly Leu Leu Pro Ser
65                  70                  75                  80
Leu Xaa
```

<210> 22455
<211> 82
<212> PRT
<213> A.fumigatus

<400> 22455

```
Asn Val Leu His Ala Ala Leu Leu Gly Gly His Leu Ala Val Val Glu
1               5                   10                  15
Phe Leu Val Ile Ile Trp Pro Glu Leu Lys Tyr Gly Leu Met Asp Ile
            20                  25                  30
Pro Pro Cys Asp Ile Trp Leu Ile Val Thr Ala Gly His Ala Pro Ile
        35                  40                  45
Val Glu Tyr Gln Leu Phe Thr Gly Val Gly Phe Lys Leu Trp Cys Ala
    50                  55                  60
Leu Leu Trp Phe Phe Pro Lys Arg Leu Cys Ser Pro Gln Leu Leu Tyr
65                  70                  75                  80
Met Ala
```

<210> 22456
<211> 75
<212> PRT
<213> A.fumigatus

<400> 22456

```
Val Asp Ser Asn Tyr Ala Phe Leu Leu Pro Ser Trp Leu Gln Pro Gly
1               5                   10                  15
Asn Gly Arg Phe Ser Leu Phe Leu Leu Leu Asp Phe Pro Ile Val Glu
            20                  25                  30
Ser Ile Tyr Val Ser Asp Thr Pro Thr Leu Ser Val Asn Pro Val Asn
        35                  40                  45
Pro Ser Ser Ile Trp Leu Leu Ser Ala Ser Thr Ala Phe Asp Arg Phe
    50                  55                  60
Pro Gly Ile Ser Arg Pro Thr Ile Ser Leu Ser
65                  70                  75
```

<210> 22457
<211> 86
<212> PRT
<213> A.fumigatus

<400> 22457

```
Leu Ser Ala Thr Ala Ala Lys Ala Ala Leu Arg Arg Lys Lys Val His
1               5                   10                  15
Glu Lys Asn Leu Glu Gln Thr Thr Ala Gln Ile Ala Gln Leu Glu Gln
            20                  25                  30
Gln Ile Tyr Ser Ile Glu Ala Ala Asn Ile Asn Gln Glu Thr Leu Asn
```

```
        35                  40                  45
Ala Met Lys Ala Ala Gly Ala Ala Met Thr Gln Ile His Gly Ser Met
    50                  55                  60
Thr Ile Asp Lys Val Asp Glu Thr Met Tyr Val Phe Ile Cys Asn Ser
65                  70                  75                  80
Tyr Arg Glu Gly Arg Tyr
                85
```

<210> 22458
<211> 141
<212> PRT
<213> A.fumigatus

<400> 22458

```
Lys Arg Phe Arg Pro His Thr Pro Ser Leu Met Gln Arg Gln Leu Arg
1               5                   10                  15
Gly Arg Arg Cys Ile Ile Leu Leu Cys Ser Phe Leu Val Arg Val Ser
            20                  25                  30
Leu Leu Leu Ser Leu Ala Ile Gly Leu Leu Gln Ile Leu Arg Pro Asp
        35                  40                  45
Lys Pro Gly Ile Ser Thr Val Pro Gly Asn Glu Phe Leu Val Arg Pro
    50                  55                  60
Leu Leu Asp Asp Ser Pro Ser Gly His His Ser Asp Val Ile Arg Leu
65                  70                  75                  80
Leu His Arg Arg Gln Phe Val Arg Asn Gly Asp Ser Arg Ala Ala Asp
                85                  90                  95
Arg Asp Ile Ile Gln Arg Ala Leu Asp Asn Leu Leu Ser Leu Gly Ile
            100                 105                 110
Lys Ser Arg Arg Gly Phe Val Gln Gln Gln Asn Arg Arg Pro Arg Asn
        115                 120                 125
Asp Thr Pro Ser Asn Gly Asn Pro Leu Phe Leu Pro Ser
    130                 135                 140
```

<210> 22459
<211> 281
<212> PRT
<213> A.fumigatus

<400> 22459

```
Arg His Leu Pro Arg Gln Tyr Glu Thr Gln Ile Gly Glu Arg Ala Arg
1               5                   10                  15
Met Leu Ser Gly Gly Gln Lys Gln Arg Ile Ala Ile Ala Arg Ser Ile
            20                  25                  30
Val Ser Arg Pro Ser Val Leu Leu Leu Asp Glu Ala Thr Ser Ala Leu
        35                  40                  45
Asp Pro Lys Ala Glu Lys Ile Val Gln Ser Ala Leu Asp Asn Ile Ser
    50                  55                  60
Val Gly Arg Thr Thr Ile Thr Ile Ala His Lys Leu Ser Thr Val Gln
65                  70                  75                  80
Lys Ala Asp Asn Ile Ala Val Met Ser Ala Gly Arg Ile Ile Glu Gln
                85                  90                  95
Gly Thr His Gln Glu Leu Ile Ala Arg Asp Gly Ala Tyr Ala Arg Leu
            100                 105                 110
Val Arg Ala Gln Asp Leu Glu Lys Ala Asp Gly Lys Ala Gln Glu Gln
        115                 120                 125
Thr Asp Ser Asp Glu Glu Thr Thr Glu Lys Asp Asp Ala Thr Ser Ala
```

```
    130                 135                 140
Ala Lys Leu Ser Leu His Gln Thr Arg Ser Val Gly Ala Glu Ser Leu
145                 150                 155                 160
Ser Ala Asp Asp Lys Ala Lys Thr Ala Ala Lys Glu Thr Met Gly Tyr
                165                 170                 175
Ser Leu Ile Arg Cys Leu Trp Leu Leu Ile Lys Glu Gln Pro Gln Leu
            180                 185                 190
Trp Gly Leu Tyr Ser Leu Val Ala Ile Ala Cys Ile Leu Gly Gly Gln
        195                 200                 205
Cys Ala Gln Asn Ile Ser Gln Thr Leu Pro Leu Thr Asn Gly Arg Gly
    210                 215                 220
His Ile Pro Ser Thr Ser His His Ser Gly Ala Asp Ile Ala Ser Leu
225                 230                 235                 240
Ser Thr Lys Arg Gln Arg Gly Cys Ser Ala Gly Arg Phe Leu Gly Ala
                245                 250                 255
Asp Val Leu Arg Cys Arg Pro Cys Gln Pro Leu His Leu Leu Pro Pro
            260                 265                 270
Gly Met Ala Val Asn Thr Thr Gly Leu
        275                 280
```

<210> 22460
<211> 67
<212> PRT
<213> A.fumigatus

<400> 22460

```
Met Glu Thr Pro Gln Leu Pro Ile Phe Arg Ile Cys Pro Val Pro Pro
1               5                   10                  15
Thr Ala Cys Ser Gly Arg Trp Cys Ser His Ile Gln Pro His Tyr Gly
            20                  25                  30
Lys Arg Ala His Asn Ile Pro Ala Pro Glu Leu Asn Thr Gly Arg Cys
        35                  40                  45
His Phe Ser Asn Phe Lys Thr Pro Phe Thr Leu Phe Met Gln Ser Thr
    50                  55                  60
Arg Ala Leu
65
```

<210> 22461
<211> 345
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (253),(260)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22461

```
Asp His Pro His Ile Thr Thr Arg Phe His Ile Ser Ser His Pro Thr
1               5                   10                  15
Gln Gln Ile Met Phe Ala Arg Val Phe Lys Ala Met Pro Ala Arg Ala
            20                  25                  30
Ser Ala Leu Thr Ser Val Asn Ala Ser Ile Pro Ala Arg Phe Met Ala
        35                  40                  45
Thr Val Arg Gln Gln Arg Pro Ala His Glu Arg Ala Thr Phe Thr Ile
    50                  55                  60
```

```
Arg Asp Gly Pro Ile Phe His Gly Lys Ser Phe Gly Ala Arg Thr Asn
65                  70                  75                  80
Ile Ser Gly Glu Ala Val Phe Thr Thr Ser Leu Val Gly Tyr Pro Glu
                85                  90                  95
Ser Leu Thr Asp Pro Ser Tyr Arg Gly Gln Ile Leu Val Phe Thr Gln
            100                 105                 110
Pro Leu Ile Gly Asn Tyr Gly Val Pro Ser Ala Glu Arg Asp Glu His
        115                 120                 125
Gly Leu Leu Lys Tyr Phe Glu Ser Pro Asn Leu Gln Ala Ala Gly Val
    130                 135                 140
Val Val Ala Asp Val Ala Glu Gln Tyr Ser His Trp Thr Ala Val Glu
145                 150                 155                 160
Ser Leu Gly Glu Trp Cys Ala Arg Glu Gly Val Pro Ala Ile Ser Gly
                165                 170                 175
Val Asp Thr Arg Ala Ile Val Thr Tyr Leu Arg Glu Arg Gly Ser Ser
            180                 185                 190
Leu Ala Arg Ile Thr Val Gly Glu Glu Tyr Asp Ala Asp Gln Asp Glu
        195                 200                 205
Ala Phe Thr Asp Pro Glu Gln Ile His Leu Val Arg Gln Val Ser Thr
    210                 215                 220
Lys Ala Pro Phe His Val Ser Ala Ala Asp Pro Gln Cys His Val Ala
225                 230                 235                 240
Val Ile Asp Cys Gly Val Lys Glu Asn Ile Leu Arg Xaa Leu Val Ser
                245                 250                 255
Arg Gly Ala Xaa Ile Thr Val Cys Ser Phe Asp Tyr Pro Ile Gln Gln
            260                 265                 270
Val Ala His His Phe Asp Gly Val Phe Ile Ser Asn Gly Pro Gly Glu
        275                 280                 285
Pro Ile His Cys Gln Glu Thr Thr Tyr Gln Leu Pro Ser Leu Glu Trp
    290                 295                 300
Arg Pro Leu Ser Cys Pro Ser Ser Val Phe Ala Leu Cys His Gln Leu
305                 310                 315                 320
Leu Ala Leu Ala Ala Gly Ala Pro Thr Ser Asn Pro Thr Met Val Asn
                325                 330                 335
Val Leu Ile Thr Ser Pro Leu Arg Asn
            340                 345
```

<210> 22462
<211> 78
<212> PRT
<213> A.fumigatus

<400> 22462

```
Phe Thr Ala Met Tyr Ser Ser Thr Pro Ser Pro Ile Thr Leu Asp Tyr
1               5                   10                  15
Thr Leu His Asp Leu Tyr Ile Ala Ser Gln Glu Asp Gly Leu Asn Thr
            20                  25                  30
Val Leu Ile Tyr Tyr Pro Leu Gln Phe Gly His Asn His Glu Gly Lys
        35                  40                  45
Ser Ala Lys Phe Ala Tyr Gly Tyr Lys Val Glu Glu Glu Asp Glu Phe
    50                  55                  60
Ala Thr Ser Leu Thr Met Ala Ala Asn Leu Val Pro Gln Arg
65                  70                  75
```

<210> 22463
<211> 252

<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (246)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22463
Leu Glu Asp Val Arg Gln Gly Leu Tyr Leu Ala Val Asp Leu Gly Gly
1 5 10 15
Thr Asn Phe Arg Val Cys Ser Ile Asp Leu His Gly Asp Thr Thr Phe
20 25 30
Asn Leu Thr Gln Ser Lys Ile Met Ile Pro Arg Glu Leu Met Ala Ser
35 40 45
Gly Thr Ser Lys Asp Leu Phe Leu Phe Leu Ala Arg Gln Ile Glu Ala
50 55 60
Phe Leu Arg Ile His His Asn Glu His Phe Glu Ala His Leu Arg Arg
65 70 75 80
Arg Arg Glu Pro Asn Ser Glu Glu Glu Leu Phe Asp Leu Gly Phe Thr
85 90 95
Phe Ser Phe Pro Val Arg Gln Leu Gly Ile Asn Lys Gly Thr Leu Ile
100 105 110
Arg Trp Thr Lys Gly Phe Asn Ile Pro Asp Ala Val Gly His Asp Val
115 120 125
Cys Ala Leu Leu Gln Asn Ala Ile Asp Glu Leu Asp Leu Pro Val Arg
130 135 140
Val Ala Ala Leu Val Asn Asp Thr Val Gly Thr Leu Met Ala Arg Ser
145 150 155 160
Tyr Thr Ser Pro Gly Asp Thr Ser Thr Phe Ile Gly Ala Ile Phe Gly
165 170 175
Thr Gly Thr Asn Gly Ala Tyr Val Glu Lys Leu Asp Arg Ile Thr Lys
180 185 190
Leu Gln Thr Ile Glu His Ala Asp Tyr Glu Lys Ser Thr Gly Glu Met
195 200 205
Ile Ile Asn Ala Glu Trp Gly Ser Phe Asp Asn His Leu Ser Val Leu
210 215 220
Pro Asn Thr Lys Trp Asp Lys Glu Leu Asp Glu Asp Ser Asn Asn Pro
225 230 235 240
Gly Ile Gln Met Phe Xaa Lys Arg Val Ser Gly Met
245 250

<210> 22464
<211> 63
<212> PRT
<213> A.fumigatus

<400> 22464
Arg Pro Ala Asp Val Ser Gly Glu Leu Ile Arg Ser Asp Ile Thr Glu
1 5 10 15
Asn Gln Ala Gly Val Pro Leu Tyr Val Asp Val Gln Met Val Asp Ser
20 25 30
Ser Thr Cys Glu Pro Val Thr Gly Val Tyr Leu Asp Phe Trp His Cys
35 40 45
Asn Ala Thr Val Ser Leu Pro Cys Ile Gly Ala Asn Gly Cys Asn
50 55 60

<210> 22465
<211> 142
<212> PRT
<213> A.fumigatus

<400> 22465
Leu Cys Pro Val Leu Thr His Ser Leu Asn Glu Thr Thr Val Asn Ala
1 5 10 15
Asn Asn Thr Leu Gln Ala Leu Tyr Thr Ala His Ser Ala His Val Gly
20 25 30
Gln Ile Phe Phe Asp Gln Asp Leu Ile Ser Thr Val Glu Lys Leu Ser
35 40 45
Pro Tyr Ser Thr Asn Thr Gln Glu Leu Thr Thr Asn Asp Glu Asp Ser
50 55 60
Ile Leu Ala Glu Glu Ala Asp Thr Ile Asp Pro Phe Val Glu Tyr Gly
65 70 75 80
Phe Leu Gly Asp Ser Gly Ser Asp Gly Phe Phe Ala Trp Ile Ser Leu
85 90 95
Ala Met Asp Phe Leu Gln Ser Ser Phe Gly Thr Pro Ala Ala Tyr Tyr
100 105 110
Thr Glu Asp Gly Gly Ala Arg Thr Ala Thr Ser Gly Gly Pro Val Val
115 120 125
Pro Val Gly Ser Gly Phe Gly Gly Pro Trp Arg Gly Phe Ser
130 135 140

<210> 22466
<211> 136
<212> PRT
<213> A.fumigatus

<400> 22466
Pro Thr Pro Ser Thr Lys Pro Pro Ser Thr Pro Thr Thr Pro Ser Arg
1 5 10 15
Pro Ser Thr Pro Arg Thr Pro Leu Met Ser Ala Arg Phe Ser Ser Ile
20 25 30
Arg Thr Ser Ser Leu Pro Ser Lys Ser Ser Arg Pro Thr Leu Pro Thr
35 40 45
Arg Arg Ser Ser Leu Leu Met Thr Lys Thr Ala Ser Leu Pro Arg Arg
50 55 60
Pro Thr Pro Ser Ile Pro Leu Ser Asn Thr Val Phe Trp Val Thr Leu
65 70 75 80
Val Leu Thr Val Ser Leu Leu Gly Ser Pro Leu Pro Trp Thr Ser Ser
85 90 95
Lys Ala Ala Leu Gly Leu Leu Leu Leu Thr Ile Leu Arg Met Gly Gly
100 105 110
Pro Glu Gln Gln Leu Arg Gly Val Pro Trp Ser Pro Trp Ala Pro Val
115 120 125
Leu Val Ala Pro Gly Gly Ala Ser
130 135

<210> 22467
<211> 180
<212> PRT
<213> A.fumigatus

<400> 22467
Gly Gly Glu Val Phe Arg Leu Leu Arg Gly Asp Val Cys Val Ala Val
1 5 10 15
Asp Arg Arg Ser Gln Asp Thr Thr Ser Gly Phe Asn Thr Glu Arg Glu
20 25 30
Gly Ser Asn Val Glu Gln Gln Asp Phe Val Gly Glu Phe Gly Arg Gly
35 40 45
Val Thr Arg Gln Asp Ser Arg Leu Asn Gly Gly Thr Val Gly Asn Gly
50 55 60
Phe Val Gly Val Asp Gly Leu Val Gly Phe Leu Val Glu Glu Val Gly
65 70 75 80
Asp Glu Thr Leu Asp Leu Gly Asp Thr Gly Gly Thr Ala Asp Glu Asp
85 90 95
Asp Leu Val Asp Gly Gly Leu Val Glu Leu Gly Val Thr Gln Asp Thr
100 105 110
Leu Asn Arg Leu His Gly Arg Ala Glu Glu Val Leu Ala Glu Leu Leu
115 120 125
Glu Thr Gly Thr Gly Asp Gly Ser Val Glu Ile Asp Thr Leu Glu Glu
130 135 140
Arg Val Asp Leu Asn Gly Gly Leu Ser Ser Gly Arg Glu Gly Thr Leu
145 150 155 160
Gly Thr Leu Ala Ser Ser Ala Gln Thr Ala Glu Ser Thr Cys Val Gly
165 170 175
Gly Glu Ile Leu
180

<210> 22468
<211> 155
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (127)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22468
Thr Gly Leu Ala Thr Val Asn Arg Asp Thr Ile Gly Lys Gly Ser Thr
1 5 10 15
Tyr Leu Leu Val Leu Ser Leu Glu Phe Ile Asn Lys Val Val Asn Lys
20 25 30
Thr Val Val Glu Val Leu Thr Thr Gln Val Ser Val Thr Ser Gly Ser
35 40 45
Leu Asp Leu Glu Asp Thr Leu Leu Asn Gly Gln Glu Gly Asn Ile Glu
50 55 60
Ser Thr Thr Thr Lys Ile Glu Asp Gln Asp Val Thr Leu Ala Leu Gly
65 70 75 80
Leu Leu Val Lys Thr Val Gly Asn Gly Ser Gly Ser Arg Leu Val Asp
85 90 95
Asp Thr Glu Asp Val Gln Ala Gly Asp Glu Thr Ser Ile Leu Ser Gly
100 105 110
Leu Thr Leu Arg Ile Phe Glu Leu Gly Gly Glu Arg Asp Tyr Xaa Leu
115 120 125
Val Asp Ser Ala Thr Glu Val Ser Phe Tyr Gly Leu Thr Pro Pro Gly
130 135 140
Pro Gly Pro Trp Glu Glu Ile Ser Ser Arg Gly

145 150 155

<210> 22469
<211> 218
<212> PRT
<213> A.fumigatus

<400> 22469
Pro Leu Arg Arg Val Ser Ser Arg Ser Arg Leu Pro Leu Val Thr Leu
1 5 10 15
Thr Trp Val Val Arg Thr Ser Thr Thr Val Leu Leu Thr Thr Leu Leu
20 25 30
Met Asn Ser Arg Glu Ser Thr Arg Arg Tyr Val Asp Pro Phe Pro Met
35 40 45
Val Ser Leu Leu Thr Val Ala Asn Pro Val His Arg Ile Ser Pro Pro
50 55 60
Thr His Val Leu Ser Ala Val Cys Ala Leu Leu Ala Ser Val Pro Ser
65 70 75 80
Val Pro Ser Leu Pro Leu Leu Arg Pro Pro Leu Arg Ser Thr Leu Ser
85 90 95
Ser Arg Val Ser Ile Ser Thr Leu Pro Ser Pro Val Pro Val Ser Arg
100 105 110
Ser Ser Ala Arg Thr Ser Ser Ala Leu Pro Trp Ser Leu Leu Ser Val
115 120 125
Ser Cys Val Thr Pro Ser Ser Thr Ser Pro Pro Ser Thr Arg Ser Ser
130 135 140
Ser Ser Ala Val Pro Pro Val Ser Pro Arg Ser Ser Val Ser Ser Pro
145 150 155 160
Thr Ser Ser Thr Arg Lys Pro Thr Ser Pro Ser Thr Pro Thr Lys Pro
165 170 175
Leu Pro Thr Val Pro Pro Phe Arg Arg Leu Ser Cys Leu Val Thr Pro
180 185 190
Leu Pro Asn Ser Pro Thr Lys Ser Cys Cys Ser Thr Leu Leu Pro Ser
195 200 205
Leu Ser Val Leu Lys Pro Leu Val Val Ser
210 215

<210> 22470
<211> 116
<212> PRT
<213> A.fumigatus

<400> 22470
Phe Lys Asp Ser Gln Arg Gln Ala Thr Lys Asp Ala Gly Leu Ile Ala
1 5 10 15
Gly Leu Asn Val Leu Arg Ile Ile Asn Glu Pro Thr Ala Ala Ala Ile
20 25 30
Ala Tyr Gly Leu Asp Lys Lys Ala Glu Gly Glu Arg Asn Val Leu Ile
35 40 45
Phe Asp Leu Gly Gly Gly Thr Phe Asp Val Ser Leu Leu Thr Ile Glu
50 55 60
Glu Gly Ile Phe Glu Val Lys Ala Thr Ala Gly Asp Thr His Leu Gly
65 70 75 80
Gly Glu Asp Phe Asp Asn Arg Leu Val Asn His Phe Val Asn Glu Phe
85 90 95
Lys Arg Lys His Lys Lys Val Cys Arg Ser Leu Ser Tyr Gly Ile Ser

```
            100                 105                 110
Ile Asp Ser Gly
        115

<210> 22471
<211> 175
<212> PRT
<213> A.fumigatus

<400> 22471
Pro Cys Ser Gln Asp Leu Thr Thr Asn Ala Arg Ala Leu Arg Arg Leu
1               5                  10                  15
Arg Thr Ala Cys Glu Arg Ala Lys Arg Thr Leu Ser Ser Ala Ala Gln
            20                  25                  30
Thr Ser Ile Glu Ile Asp Ser Leu Phe Glu Gly Ile Asp Phe Tyr Thr
        35                  40                  45
Ser Ile Thr Arg Ala Arg Phe Glu Glu Leu Cys Gln Asp Leu Phe Arg
    50                  55                  60
Ser Thr Met Glu Pro Val Glu Arg Val Leu Arg Asp Ala Lys Leu Asp
65                  70                  75                  80
Lys Ser Ser Val His Glu Ile Val Leu Val Gly Gly Ser Thr Arg Ile
                85                  90                  95
Pro Lys Ile Gln Arg Leu Val Ala Asp Phe Phe Asn Lys Glu Ala Asn
            100                 105                 110
Lys Ser Ile Asn Pro Asp Glu Ala Val Ala Tyr Gly Ala Ala Val Gln
        115                 120                 125
Ala Ala Ile Leu Ser Gly Asp Thr Ser Ser Lys Phe Thr Asn Glu Ile
    130                 135                 140
Leu Leu Leu Asp Val Ala Pro Leu Ser Leu Arg Ile Glu Thr Ala Gly
145                 150                 155                 160
Cys Val Leu Thr Pro Pro Ile Asn Arg Asn Thr Asn Ile Pro Pro
                165                 170                 175

<210> 22472
<211> 222
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (219)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22472
Pro Lys Gln Met Ala Glu Glu Val Arg Asn Ala Ser Val Ala Ile Pro
1               5                  10                  15
Arg Ala Ile Leu Leu Ser Val Leu Ile Asn Gly Ala Leu Gly Phe Gly
            20                  25                  30
Met Leu Ile Ala Val Leu Phe Cys Leu Gly Asp Leu Asp Ala Ala Leu
        35                  40                  45
Ala Thr Pro Thr Gly Tyr Pro Tyr Met Glu Ile Phe Arg Gln Ala Thr
    50                  55                  60
Asp Ser Leu Ala Gly Ala Leu Gly Met Thr Ser Ile Leu Leu Ile Ile
65                  70                  75                  80
Gly Val Cys Ser Val Ile Gly Met Leu Ala Ala Thr Ser Arg Gln Phe
                85                  90                  95
```

```
Trp Ser Phe Ala Arg Asp Arg Ala Val Pro Gly Trp Arg Ile Trp Ser
            100                 105                 110
Lys Val Ser Tyr Pro His Pro His Ala Leu Ser Arg Thr Ile Thr Asp
        115                 120                 125
Met Leu Pro Arg Gln Val Ser Pro Thr Asn Cys Leu Pro Thr Tyr Ser
    130                 135                 140
Ile Met Leu Thr Met Thr Val Cys Cys Leu Leu Gly Leu Ile Asn Ile
145                 150                 155                 160
Gly Ser Ser Val Ala Leu Asn Ala Val Val Ser Met Ala Val Ser Gly
                165                 170                 175
Leu Tyr Leu Ser Tyr Leu Met Val Gly Ser Leu Leu Leu Tyr Arg Arg
            180                 185                 190
Cys Thr Gly Ala Ile Ser Gln Tyr Asp His Gly Glu Asp Gly Val Ile
        195                 200                 205
Ser Leu His Arg Gly Trp Lys Ala Phe Gln Xaa Thr Ile Thr
    210                 215                 220
```

<210> 22473
<211> 168
<212> PRT
<213> A.fumigatus

<400> 22473

```
Gly Glu Asp Met Thr Gly Arg His Thr Ile Glu Ser Pro Ile Gly Thr
1               5                   10                  15
Thr Asn Leu Ile Val Ile Gly Trp Val Thr Val Ile Gly Trp Gln Ala
            20                  25                  30
Ala Phe Ala Ser Ser Ser Phe Leu Ala Gly Thr Gln Ile Gln Gly Ala
        35                  40                  45
Ile Arg Leu Gly His Glu Leu Tyr Gln Ala Lys Pro Trp His Gly Thr
    50                  55                  60
Leu Leu Met Trp Ala Ala Val Leu Leu Ala Leu Gly Ile Asn Val Val
65                  70                  75                  80
Gly Gly Lys Leu Leu Pro Arg Leu Glu Thr Val Ile Leu Val Val His
                85                  90                  95
Leu Leu Gly Phe Phe Ala Ile Leu Ile Pro Met Thr Tyr Met Ala Asp
            100                 105                 110
His Lys Ser Thr His Glu Val Phe Leu Glu Phe Val Asn Ser Gly Gly
        115                 120                 125
Phe Pro Thr Gln Gly Leu Ser Trp Phe Val Gly Met Thr Gly Cys Val
    130                 135                 140
Phe Ala Phe Ala Gly Gly Asp Ala Ala Val His Val Trp Asn Ser Leu
145                 150                 155                 160
Arg Thr Pro Leu Gln Lys Ile Gly
                165
```

<210> 22474
<211> 265
<212> PRT
<213> A.fumigatus

<400> 22474

```
Arg Arg Ile Asp Lys Thr Ser Ile His Cys Phe Leu Leu Arg Asn Pro
1               5                   10                  15
Arg Leu Gln Tyr Ile Asn Val Ser Gly Leu Ser Thr Val Thr Asn Ser
            20                  25                  30
```

```
Ala Met Lys Ile Ile Ala Gln Lys Cys Pro His Leu Glu Ile Leu Asn
        35                  40                  45
Ile Ser Trp Cys Thr Gly Val Asn Thr Thr Gly Leu Arg Lys Val Ile
    50                  55                  60
Gln Ala Cys Pro Arg Leu Lys Asp Leu Arg Ala Ser Glu Ile Ser Gly
65                  70                  75                  80
Phe His Asp Glu Glu Phe Thr Leu Glu Leu Phe Arg Arg Asn Thr Leu
                85                  90                  95
Glu Arg Leu Ile Ile Ser Arg Thr Asp Leu Thr Asp Asp Ser Leu Lys
            100                 105                 110
Val Leu Met His Gly Ile Asp Pro Glu Ile Asp Val Leu Thr Asp Arg
        115                 120                 125
Pro Ile Val Pro Pro Arg Arg Leu Lys His Leu Asp Val His Gln Cys
    130                 135                 140
Pro Glu Leu Thr Asp Val Gly Val Lys Ser Leu Ala His Asn Val Pro
145                 150                 155                 160
Glu Leu Glu Gly Leu Gln Leu Ser Gln Cys Pro Gln Leu Ser Asp Asp
                165                 170                 175
Ser Val Ile Asp Val Ile Arg Thr Thr Pro Leu Leu Thr His Leu Glu
            180                 185                 190
Leu Glu Asp Leu Glu Gln Leu Thr Asn Asn Thr Leu Val Glu Leu Ala
        195                 200                 205
Arg Cys Pro Gly Ala Glu Arg Leu Glu His Leu Asn Ile Ile Tyr Cys
    210                 215                 220
Glu Ser Leu Gly Asp Val Gly Met Leu His Val Met Lys Ser Cys Pro
225                 230                 235                 240
Asn Ile Pro Phe Val Glu Met Gly Tyr Thr Arg Ile Pro Asp Leu Thr
                245                 250                 255
Leu Lys Glu Ala Ile Phe Arg Val Arg
            260                 265
```

<210> 22475
<211> 74
<212> PRT
<213> A.fumigatus

<400> 22475
```
Tyr Ile Arg Ser Phe Tyr Lys Asp Lys Thr Ser Ser Leu Lys Phe Phe
1               5                   10                  15
Leu Phe Ala Trp Ser Ile Arg Ile Ile Ser Ser Ser Leu Lys His Asn
            20                  25                  30
Ile Thr Leu Ile Gly Ala Gly Thr Ile Gly Ile Ser Leu Ala Ala Leu
        35                  40                  45
Tyr Leu Ala His Leu Tyr Ser Leu Glu Ser Leu Thr Ile Ile Asp Ile
    50                  55                  60
Trp Pro Asp Leu Ala Ala Val Val Glu Asp
65                  70
```

<210> 22476
<211> 84
<212> PRT
<213> A.fumigatus

<400> 22476
```
Arg Gly Cys Arg Pro Arg Val Lys Thr Asp Asp Ser Val Ala Ala Gln
1               5                   10                  15
```

```
Ile Tyr Lys Phe Asn Ala Val Asp Met Cys Glu Leu Ala Lys His Ser
            20                  25                  30
Val Glu Gln Ser Gly Phe Glu Leu Ser Leu Lys Lys Arg Trp Leu Gly
        35                  40                  45
Ala Asn Cys Ser Leu Arg Gly Val Ala Gly Asn Asn Val Ala Lys Ser
    50                  55                  60
Asn Val Pro Asp Ile Arg Glu Gln Phe Arg His Glu Thr Leu Leu Gly
65                  70                  75                  80
Glu Leu Ala Leu
```

<210> 22477
<211> 63
<212> PRT
<213> A.fumigatus

<400> 22477

```
Gly Arg Val Leu Ile Leu Val Asn Ser Lys Gln Tyr Ala Ile Arg Pro
1               5                   10                  15
Thr Ile Arg Gly Asn Asn Lys Phe Asn Arg Asp Ser Val Ile Lys Thr
            20                  25                  30
Ile Ala Asp Val Val Gly Pro Glu His Pro Val Asp Leu Lys Asn Tyr
        35                  40                  45
Asp Leu Ile Ile Leu Val His Leu Ile Gln Val Ser Cys Leu Ile
    50                  55                  60
```

<210> 22478
<211> 70
<212> PRT
<213> A.fumigatus

<400> 22478

```
Trp Asn Asp Thr Gln His His Leu Ser Gly Gln Pro Ser Tyr Lys Ala
1               5                   10                  15
Thr His Leu Asp Lys Met Asp Lys Asp Asp Gln Ile Val Ile Leu Glu
            20                  25                  30
Ile Asn Trp Met Phe Gly Ala Tyr Asp Ile Cys Asn Cys Phe Asp His
        35                  40                  45
Thr Ile Pro Val Glu Phe Ile Val Ala Pro Tyr Cys Arg Pro Asn Ser
    50                  55                  60
Ile Leu Phe Arg Ile Asp
65                  70
```

<210> 22479
<211> 318
<212> PRT
<213> A.fumigatus

<400> 22479

```
Gly Glu Thr Val Ile Ser Ala Gln Ser Leu Glu Asn Ala Lys Gln Asp
1               5                   10                  15
Lys Val Asp Val Trp Ala Tyr Gly Cys Thr Leu Phe Glu Phe Ala Thr
            20                  25                  30
Gly Asn Pro Pro Asn Ser Asn Leu Arg Glu Arg Met Gln Ile Gly Arg
        35                  40                  45
Gln Leu Asn Arg Thr Thr Pro Arg Leu Ala Asn Glu Asp Tyr Ser Glu
```

```
    50                  55                  60
Gly Leu Lys Asp Leu Val Ser Phe Ala Leu Glu Ser Asp Pro Ile Leu
65                  70                  75                  80
Arg Pro Thr Met Ala Asp Ile Met Ser His Ser Tyr Ile Ala Glu Thr
                85                  90                  95
Asp Glu Gln Tyr Pro Thr Ser Ser Leu Ser Glu Leu Val Arg Ile Tyr
            100                 105                 110
Tyr Gln Trp Ser Gln Arg Gly Gly Gln Arg Ile Ser Leu Phe His Pro
        115                 120                 125
Gly Gly Ala Ala Ala Ala Glu Phe Pro Asp Tyr Glu Pro Asp Phe Glu
    130                 135                 140
Glu Asp Trp Asn Phe Ser Thr Thr Asp Gly Phe Glu Arg Arg Phe Ser
145                 150                 155                 160
Val Ile Asp Leu Asp Arg Ile Ala Ala Ser Leu Ala Glu Leu Glu Glu
                165                 170                 175
Glu Met Ser Pro Ala Thr Thr Asn Gln Gln Asp Arg Asp Ser Phe Asp
            180                 185                 190
Glu Pro Ala Gly Pro Glu Met Ser Met Glu Asp Lys Ala Asn Phe Asp
        195                 200                 205
Glu Arg Val Arg Arg Gly Ala Ala Ala Met Glu Gly Leu Phe Asn Glu
    210                 215                 220
Asp Met Pro Ser Tyr Lys Tyr Glu Thr Lys Asn Asp Phe Val Pro Ile
225                 230                 235                 240
Glu Pro Lys Pro Pro Ala Ser Asp Leu Pro Leu Arg Thr Glu Thr Asp
                245                 250                 255
Arg Ser Ser Val Thr Ser Thr Phe Ile Asp Ile Asp Ile Gly Ser Phe
            260                 265                 270
Asp Ser Ser His Tyr Ala Ala Gly Ala Ala Ser Ala Gln Pro Phe Gln
        275                 280                 285
Leu Ala Asp Ala Asp Thr Ile Arg Ala Asn Arg Ser Ala Gly Arg Gln
    290                 295                 300
Gln His Lys Ser Ser Pro Arg Gly Trp Lys Glu Gln Arg His
305                 310                 315

<210> 22480
<211> 179
<212> PRT
<213> A.fumigatus

<400> 22480
Glu Gln Leu Val Ile Ser Leu Arg Lys Gly Ser Ser Ser Pro Ser His
1               5                   10                  15
Glu Ser Trp Leu Leu Ala Cys Val Arg Phe Thr Arg Leu Val Ser Ser
            20                  25                  30
Ile Gly Thr Leu Arg Val Cys Ser Phe Gly Cys Arg Asn Leu Thr Gln
        35                  40                  45
Leu Leu Thr Pro Leu Val Ala Ala Asn Ile Leu Ile His Glu Glu Gly
    50                  55                  60
Arg Leu Gln Ile Cys Asp Phe Gly Val Ala Gly Val Leu Gln Ser His
65                  70                  75                  80
Val Asp Lys Arg Ser Thr Trp Ile Gly Thr Pro His Trp Met Pro Pro
                85                  90                  95
Glu Met Phe Ser Thr Arg Gly Glu Ala His Lys Tyr Gly Ser Glu Val
            100                 105                 110
Arg Leu Ser Phe Leu Leu Ser Pro Leu Arg Met Leu Asn Lys Thr Arg
        115                 120                 125
```

Ser Met Cys Gly His Met Ala Ala Leu Ser Ser Asn Ser Gln Arg Glu
130 135 140
Thr Pro Gln Thr Pro Ile Tyr Gly Ser Gly Cys Lys Leu Glu Gly Asn
145 150 155 160
Ser Thr Val Pro His Arg Val Leu Gln Met Lys Ile Thr Val Lys Ala
165 170 175
Leu Lys Thr

<210> 22481
<211> 258
<212> PRT
<213> A.fumigatus

<400> 22481
Ile Thr Pro Arg Glu Ser Phe Glu Met Arg Val Arg Leu Pro Arg Thr
1 5 10 15
Arg Tyr Gly Val Ser Leu Val Phe Arg Cys Val Val Cys Ile Gly Ser
20 25 30
Ser Ala Ser His Val Asp Gln Thr Gln Gln Val Ala Ile Gly Asn Gly
35 40 45
Ala Leu Glu Glu Ser Gln Gly Lys Ala Met Val Asp Glu Ala Leu Lys
50 55 60
Arg Asn Val Lys Phe Phe Val Tyr Thr Ser Val Asp Arg Gly Gly Glu
65 70 75 80
Ser Ser Thr Thr Asn Pro Thr Arg Ile Pro His Phe Ile His Lys His
85 90 95
Asn Ile Glu Gln His Leu Met Glu Lys Ala Arg Asn Thr Glu Met Arg
100 105 110
Trp Phe Ile Leu Arg Pro Thr Ala Phe Phe Asp Asn Leu Val Pro Gly
115 120 125
Phe Phe Gly Lys Val Phe Ala Thr Cys Phe Lys Met Ala Leu Lys Gly
130 135 140
Lys Pro Leu Gln Met Val Ala Thr Ser Asp Ile Gly Tyr Phe Gly Ala
145 150 155 160
Glu Gly Phe Leu Arg Pro Asp Thr Tyr Ala Gly Arg Gly Leu Ser Leu
165 170 175
Ala Gly Asp Glu Leu Thr Tyr Asp Gln Met Val Glu Ile Phe Glu Gln
180 185 190
Lys Thr Gly Gln Gln Ile Pro Ser Thr Phe Arg Pro Leu Cys Ser Phe
195 200 205
Phe Met Ala Ser Met Lys Asp Met Gly Tyr Leu Phe Lys Trp Phe His
210 215 220
Asp Ala Arg Tyr Asn Ala Asp Ile Pro Glu Leu Lys Arg Ile Asn Pro
225 230 235 240
Asn Leu Lys Asp Phe Gly Ala Trp Leu Asp Glu Glu Ser Glu Phe Arg
245 250 255
Lys Arg

<210> 22482
<211> 63
<212> PRT
<213> A.fumigatus

<400> 22482

```
Ala Val Pro Lys Thr Ala Glu Val Ile Lys Gly Asn Gly Pro Tyr Leu
1               5                  10                  15
Thr Gln Leu Ala Cys His Pro Glu Phe Tyr Pro Glu Ile Leu Ser Trp
            20                  25                  30
Val Asp Pro Pro Pro Ser Cys Ile Asp Gly Ala Phe Arg His Gln Pro
        35                  40                  45
Cys Ser Arg Pro Gly Ile Leu Ser Glu Pro Ile Ala Ser Lys Ser
    50                  55                  60
```

<210> 22483
<211> 177
<212> PRT
<213> A.fumigatus

<400> 22483

```
Lys Leu Gly Ile Leu Gly Phe Ser Arg Ala Leu Ala Ile Glu Gly Ala
1               5                  10                  15
Lys Tyr Asn Ile Lys Val Asn Thr Ile Ala Pro Asn Ala Gly Thr Asn
            20                  25                  30
Met Thr Arg Thr Ile Met Pro Glu Glu Met Val Gln Ala Phe Lys Pro
        35                  40                  45
Asp Tyr Val Ala Pro Met Val Ala Leu Leu Cys Ser Asp Met Cys Pro
    50                  55                  60
Glu Pro Ser Ser Lys Gly Leu Tyr Glu Cys Gly Ser Gly Trp Phe Ser
65                  70                  75                  80
Ser Thr Arg Trp Gln Arg Ser Gly Gly His Gly Phe Pro Val Asp Val
                85                  90                  95
Lys Leu Thr Pro Glu Thr Val Leu Lys Asn Trp Lys Gln Ile Thr Asp
            100                 105                 110
Phe Asp Asp Gly Arg Ala Asp His Pro Gln Asp Ser Gln Ala Gly Thr
        115                 120                 125
Glu Lys Val Met Ala Asn Met Ser Asn Arg Ser Gly Gly Glu Gly Gly
    130                 135                 140
Asn Asn Ile Leu Ala Asn Ile Glu Lys Ala Lys Gln Ala Thr Thr Glu
145                 150                 155                 160
Gly Thr Ala Phe Asp Cys Leu His His Gly Ala Gly Arg Ser Arg Ala
                165                 170                 175
Thr
```

<210> 22484
<211> 96
<212> PRT
<213> A.fumigatus

<400> 22484

```
Gln Gly Leu His Gln His Glu Arg Met Ile Ser Gly Thr Ala Val Ile
1               5                  10                  15
Asn Val His Leu Arg Gly Thr Tyr Lys Val Thr Lys Ala Ala Trp Pro
            20                  25                  30
His Met Leu Lys Gln Lys Tyr Gly Arg Ile Val Asn Thr Thr Ser Thr
        35                  40                  45
Ser Gly Ile Tyr Gly Asn Phe Gly Gln Ala Asn Tyr Ala Ala Ala Val
    50                  55                  60
Arg Pro Arg Ile Arg Ser Cys Ser Leu Glu Pro Tyr Gly Phe Ala Asn
65                  70                  75                  80
```

```
Arg Gly Leu Glu Ile Gly Tyr Pro Trp Phe Leu Pro Arg Ser Gly His
                85                  90                  95

<210> 22485
<211> 100
<212> PRT
<213> A.fumigatus

<400> 22485
Arg Ser His Gln Leu Thr Ala Arg Gly Lys Asp Asp Leu Leu Ile Asp
1               5                   10                  15
Ala Val Ala Glu Asn Met Gln Gln Trp Thr Arg Leu Gln Gly Thr Leu
            20                  25                  30
Glu Glu Gln Leu Ser Gln Ala Arg His Phe Val Ser Gln Tyr Gln Arg
        35                  40                  45
Tyr Ser Glu Thr Arg Arg Phe Ser Glu Gln Met His Gln Thr Ile Asp
    50                  55                  60
Ala Ala Glu Arg Asp Ile Gln Asn Gln Val Asp Lys Leu Glu Gln Thr
65                  70                  75                  80
Met Arg Asp Leu Leu Gln Ile Ala Ser Tyr Ile Thr Pro Phe His Val
                85                  90                  95
Gln His Gln Asn
            100

<210> 22486
<211> 177
<212> PRT
<213> A.fumigatus

<400> 22486
Ile Arg Leu Cys His Arg Ala Ser Met Gly Thr Val Ala Val Ala His
1               5                   10                  15
Thr Val Trp Leu Phe Val Leu Ala Arg Leu Leu Gln Gly Gly Ala Thr
            20                  25                  30
Ala Met Val Ala Val Ala Gly Leu Ala Leu Met Thr Asp Ser Val Ser
        35                  40                  45
Phe Asp Asn Leu Gly Gln Thr Ile Gly Tyr Leu Gly Ser Ser Ile Ala
    50                  55                  60
Leu Gly Phe Leu Leu Gly Pro Leu Leu Gly Gly Leu Val Tyr Asn Ala
65                  70                  75                  80
Ala Gly Tyr Asn Ala Val Phe Ala Met Ala Phe Ala Ile Ile Gly Val
                85                  90                  95
Asp Phe Val Met Arg Val Ala Val Ile Glu Lys Lys Val Ala Arg Ala
            100                 105                 110
Tyr Leu Ser Asp Ser Pro Glu Glu Asn Pro Arg Glu Glu Tyr Pro Gln
        115                 120                 125
Arg Pro Pro Gln Ile Ser Glu Thr Ala Thr Gly Trp Arg Asn Ile Ala
    130                 135                 140
Leu Leu Arg Ile Ala Ser Gln Pro Arg Val Val Ile Ser Ser Phe Ala
145                 150                 155                 160
Leu Leu Val Gln Gly Ile Leu Tyr Ser Ala Phe Asp Ser Val Arg Ser
                165                 170                 175
Ser

<210> 22487
```

<211> 143
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (112)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22487
Phe Leu Ala Cys Arg Thr Ile Asn Asn Leu Ala Tyr Leu Val Pro Ile
1 5 10 15
Leu Thr Asn Val Leu Val Gly Arg Arg Thr Met His His Gly Pro Phe
20 25 30
Tyr Leu Gly His Ala Pro Gly Met Ala Val Asn Ile Ile Thr Val Ala
35 40 45
Trp Leu Val Phe Ala Ile Val Phe Phe Ser Phe Pro Tyr Tyr Met Pro
50 55 60
Val Thr Gly Glu Cys Lys Leu Val Asp Lys Lys Leu Val Ala Ser Ala
65 70 75 80
Lys Ala Asp Arg Leu Asp Ser Gly Glu Tyr Glu Leu His Leu Cys Leu
85 90 95
Cys Trp Trp Ile Pro Ala His Arg Val Ala Leu Val Gly Cys Cys Xaa
100 105 110
Gly Gln Val Leu Glu Glu Tyr Ala Glu Gly Ala Arg Gly Gly Ala Lys
115 120 125
Cys Cys Ser Cys Tyr Asp Gly Tyr Ser Arg Gly Lys Arg Val Gly
130 135 140

<210> 22488
<211> 84
<212> PRT
<213> A.fumigatus

<400> 22488
Val Pro Val Glu Phe Ser Gly Leu Ser Leu Glu Thr Ala Ala Ser Leu
1 5 10 15
Phe Arg Glu Cys Lys Gln Leu Ser Asn Ala Ser His Phe Val Leu Arg
20 25 30
Asn Pro Pro Asn Met Gln Ser Ser Trp Ala Lys Val Asn Pro His Phe
35 40 45
Glu Thr Pro Phe Asn Ala Gln Leu Cys Val Gly Ile Ile Thr Ala Leu
50 55 60
Leu Gly Cys Ile Tyr Leu Gly Ser Ser Thr Ala Phe Asn Ala Met Met
65 70 75 80
Ser Ser Ala Val

<210> 22489
<211> 202
<212> PRT
<213> A.fumigatus

<400> 22489
Ser Ser Leu Val Gly Ile Tyr Glu Lys Gln Ser Thr Pro Gly Pro Ala
1 5 10 15

```
Tyr Ser Ser Leu Asp Ile Gln Asp Ser Val His Gln Ser Ser Ser Thr
            20                  25                  30
His Lys Arg His Ser Ser Leu Lys Pro Ser Glu Trp Ser His Gln Arg
        35                  40                  45
Leu Ser Glu Asn Lys Ala Val Asp Ser Glu Ser Asp Asp Glu Ser Asp
    50                  55                  60
Gly Glu Trp Lys Asp Met Pro Ala Leu Gly Glu Phe Asp Val Tyr Asp
65                  70                  75                  80
Asp Tyr Gly Arg Leu Ile Ala Arg Gly Ala Lys Glu Glu Gly Asp Asp
                85                  90                  95
Ala Val Tyr Gln Gly Leu Gly Gly Ala Gly Lys Gly Tyr Thr Arg Val
            100                 105                 110
Gln Leu Asp Glu Asp Ala Gln Ser Ala Thr Ser Leu Asp Gln Asp Thr
        115                 120                 125
Ser Tyr Leu Phe Lys Glu Thr Ala Gly Asn Ser Val Gly Val Glu Gly
    130                 135                 140
Glu Glu Leu Arg Asp Pro Leu Ser Gln Leu Gln Ala Thr Lys Asp Leu
145                 150                 155                 160
Leu Thr Glu Ser Gln Arg Ile Ala Tyr Val Gly Val Thr Arg Leu Met
                165                 170                 175
Ile Tyr Gln Met Thr Gln Asp Leu Glu Lys Leu Pro Thr Thr Lys Ala
            180                 185                 190
Ser Arg Lys Ala Lys Gln Lys Ala Ala Asp
        195                 200
```

<210> 22490
<211> 208
<212> PRT
<213> A.fumigatus

<400> 22490

```
Asn Leu Gly Asn Met His Ile Leu Pro Gly Ser Gln His Ala Ala Glu
1               5                   10                  15
Leu Asp Asn Ser Gly Thr Leu Ile His Ser Val His Cys Asp Pro Glu
            20                  25                  30
Gln Lys Ala Lys Asn Ile Pro Gln Ser Thr Gly Ile Ala Gln Ala Ser
        35                  40                  45
Ser Glu Trp Arg Pro Ser Tyr His Leu Ala Ala Pro Arg Gly Trp Met
    50                  55                  60
Asn Asp Pro Cys Gly Leu Gly Tyr Asp Pro Thr Thr Gly Leu Tyr His
65                  70                  75                  80
Leu Ser Phe Gln Trp Asn Pro His Gly Asn Asp Trp Gly Asn Ile Ser
                85                  90                  95
Trp Gly His Ala Thr Ser Ser Asp Leu Val Ser Trp Gln Ile Ser Pro
            100                 105                 110
Glu Pro Cys Leu Thr Pro Ser Ala Glu Tyr Asp Arg Cys Gly Val Phe
        115                 120                 125
Thr Gly Cys Phe Arg Ser His Gly Pro Asp Gly Lys Pro Gly Val Leu
    130                 135                 140
Thr Tyr Val Tyr Thr Ser Val Asn His Leu Pro Leu His Tyr Thr Leu
145                 150                 155                 160
Pro Tyr Val Lys Gly Ser Glu Ser Leu Ser Ile Ala Val Ser Arg Asp
                165                 170                 175
His Gly Lys Thr Trp Gln Arg Ile Asp Ser Asn Pro Ile His Pro Gly
            180                 185                 190
Ala Pro Ala Gly Leu Glu Val Thr Gly Trp Arg Asp Pro Tyr Leu Asn
```

195 200 205

<210> 22491
<211> 76
<212> PRT
<213> A.fumigatus

<400> 22491
Pro Gly Ser Lys Ala Leu Gly Asp Ile Thr Ala Gly Glu Asn Asn Gly
1 5 10 15
Met Ala Ser Lys Ala His Glu Leu Ala Ala Cys Phe Glu Ala Glu Pro
20 25 30
Cys Cys Trp Ser Gly Asp Asp Asn Ser Leu Thr Gly Glu Ser Glu Met
35 40 45
Gln Trp Gly Trp Arg His Gly Gly Val Gly Arg Ile Ala Phe Cys Gln
50 55 60
Val Cys Gly Ser Phe Thr Asp Glu Leu Ile Met Ala
65 70 75

<210> 22492
<211> 236
<212> PRT
<213> A.fumigatus

<400> 22492
Ile Gly Ala Leu Pro Asp Ser Val Cys Met Asp Pro Ser Leu Ser His
1 5 10 15
Tyr Gln Phe Ile Cys Glu Arg Ser Thr Asn Leu Thr Lys Cys Asp Ser
20 25 30
Ser Asn Pro Pro Val Thr Pro Thr Pro Leu His Phe Arg Leu Thr Gly
35 40 45
Gln Thr Val Ile Val Thr Gly Pro Thr Ala Gly Leu Gly Leu Glu Thr
50 55 60
Cys Arg Gln Leu Met Gly Leu Gly Cys His Thr Ile Ile Leu Ala Cys
65 70 75 80
Arg Asp Val Ala Lys Gly Phe Arg Thr Arg Ser Thr Leu Leu Ser Glu
85 90 95
Tyr Val Thr Arg Ala Ala Met His Gly Ser Pro Ser Val Lys Val Leu
100 105 110
Lys Leu Asp Leu Gly Ser Phe Asp Ser Val Leu Leu Phe Ala Ser Gln
115 120 125
Val Lys Ser Glu Ile Pro Val Val Asp Ile Leu Ile Leu Asn Ala Gly
130 135 140
Val Gly Phe Leu Lys Asp Phe Arg Ser Thr Pro Asp Gly His Glu Leu
145 150 155 160
Thr Leu Gln Thr Asn Tyr Leu Ser Asn Val Leu Leu Leu Leu Glu Leu
165 170 175
Leu Pro Tyr Leu Gln Gln Ser Ala Arg Gly Arg Gln Pro Ala Arg Val
180 185 190
Thr Trp Leu Gly Ser Arg Ser Ala Tyr Asp Ser Asn Leu Val Arg Met
195 200 205
Val Ala Pro His Ser Asp Leu Phe Gly Val Ser Gly Arg Val Ser Ser
210 215 220
Pro Arg Ala Gly Asp Pro Arg Leu Gly Asp Pro Gln
225 230 235

<210> 22493
<211> 121
<212> PRT
<213> A.fumigatus

<400> 22493
Tyr Leu Phe His Thr Thr Thr Val Ser Ile Leu Ile Leu Ser Pro Val
1 5 10 15
Ile His Asp Gln Ile Leu Gly Met Pro Ser Gly Pro Arg Lys Arg Met
20 25 30
Pro Ser Val Ser Asp Asp Cys Asn Asn Ser Glu Ser Phe Gln Gln Lys
35 40 45
Lys Ala Lys Lys Glu Ala Ser Ile Ser Ser Ser Pro His Asn Met His
50 55 60
Asn Ala Val Asn Trp Lys Ile Asp Ala Asn Gly Asp Lys Phe Trp Glu
65 70 75 80
Leu Ser Lys Met Arg Arg Val Thr Ile Ser Ser Phe Arg Gly Lys Thr
85 90 95
Leu Val Asn Ile Arg Glu Tyr Tyr Glu Lys Asp Gly Gln Glu Leu Pro
100 105 110
Gly Lys Lys Val Ile Met Arg Ser Thr
115 120

<210> 22494
<211> 231
<212> PRT
<213> A.fumigatus

<400> 22494
Asp Glu Val Ile Pro Glu Glu Gln Trp Leu Met Ala Val Asp Ala Asp
1 5 10 15
Asp Asp Thr Ile Glu Asn Ala Ile Ala Arg Lys Glu Ala Arg Val Glu
20 25 30
Arg Arg Arg Leu Asn Lys Glu Lys Arg Gln Lys Arg Ala Met Gly Ile
35 40 45
Glu Ser Ser Pro Glu Pro Ser Arg Glu Ser Ser Glu Thr Pro Gln Pro
50 55 60
Lys Lys Arg Gly Arg Arg Gly Pro Ala Pro Lys Arg Lys Ala Glu Glu
65 70 75 80
Pro Val Glu Glu Thr Pro Gln Pro Lys Arg Lys Arg Gly Arg Gln Pro
85 90 95
Lys Pro Val Glu Thr Leu Ser Ser Glu Asp Arg Ala Thr Leu Gln Arg
100 105 110
Ile Leu Asn Thr Ala Tyr Gln Ala Leu Met Asp Met Glu Gln Glu Leu
115 120 125
Pro Ala Asp Ser Ser Asp Ser Glu Asp Gly Pro Val Thr Arg Ser Ile
130 135 140
Ile Glu Pro Phe Met Lys Pro Pro Pro Lys Ser Gln Tyr Pro Asp Tyr
145 150 155 160
Tyr Leu Ile Ile Gln Asn Pro Ile Ala Met Glu Met Ile Arg Lys Lys
165 170 175
Ile Asn Arg Glu Glu Tyr Gln Asn Leu Lys Asp Phe Arg Asn Asp Ile
180 185 190
His Leu Leu Cys Gln Asn Ala Arg Thr Tyr Asn Glu Asp Gly Ser Ile
195 200 205
Leu Phe Gln Asp Ala Asn Asp Ile Glu Val Ser Phe Ser Ser Val Thr

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    210                 215                 220
Leu Leu Val Phe Leu Leu Ser
225                 230

<210> 22495
<211> 204
<212> PRT
<213> A.fumigatus

<400> 22495
Tyr Phe Arg Ala Thr Val Ala Ser Phe Gln Pro Arg Gly Glu Asp Ser
1               5                  10                  15
Ser Ala Gly Asn Ser Asp Phe Leu Thr Ala Ala Thr Gly Ser Ser Ile
            20                  25                  30
Ser Pro Phe Thr Ser Asp Thr Ser Ser Gly Thr Ala Ser Ser Val Ala
        35                  40                  45
Val Ala Ser Val Gly Ser Leu Met Ala Thr Ser Pro Leu Ala Cys Ser
    50                  55                  60
Pro Val Val Val Met Gly Ser Trp Val Asp Ser Thr Val Ala Gly Ser
65                  70                  75                  80
Leu Ala Thr Ala Ser Val Ser Gly Asp Ser Leu Thr Gly Ser Gly Thr
                85                  90                  95
Thr Val Ser Gly Ala Gly Ala Ser Ser Val Ser Gly Ala Ala Gly Ala
            100                 105                 110
Ser Pro Leu Asp Leu Ala Ala Phe Leu Ser Leu Ala Ser Thr Ser Asp
        115                 120                 125
Ser Phe Ala Ser Ser Arg Val Thr Gly Cys Ser Ser Asn Pro Gly Ser
    130                 135                 140
Leu Val Ser Val Thr Thr Ala Gly Phe Ser Leu Asp Ser Ala Ser Ser
145                 150                 155                 160
Thr Ala Glu Val Leu Ala Val Pro Ser Glu Thr Thr Gly Ser Leu Thr
                165                 170                 175
Ser Asp Gly Leu Gly Ala Ala Ser Ala Thr Asp Ser Trp Val Thr Gly
            180                 185                 190
Leu Ser Ser Val Arg Val Ser Val Ala Arg Ser Ser
        195                 200

<210> 22496
<211> 283
<212> PRT
<213> A.fumigatus

<400> 22496
Glu Asn Phe Leu Leu Arg Arg Thr Ser Ser Ala Ile Ser Gly Arg His
1               5                  10                  15
Gln Arg Lys Glu Ser His Tyr Ala Arg Gly Arg Arg Val Arg Asn Arg
            20                  25                  30
Gly Ser Glu Glu Thr Pro Cys Gln Thr Leu Pro Cys Arg Gly Ala Phe
        35                  40                  45
Pro Arg Lys Pro Gln Leu Lys Ser Leu Gln Lys Lys Ser Pro Gln Phe
    50                  55                  60
Asn Lys Cys Gln Asn Leu Ser Lys Gln Thr Leu Arg Glu His Ala Gln
65                  70                  75                  80
Asp Asp Leu Ala Thr Glu Thr Leu Thr Glu Asp Lys Pro Val Thr Gln
                85                  90                  95
Glu Ser Val Ala Glu Ala Ala Pro Lys Pro Ser Glu Val Ser Glu Pro
```

```
            100                 105                 110
Val Val Ser Glu Gly Thr Ala Lys Thr Ser Ala Val Asp Glu Ala Glu
        115                 120                 125
Ser Ser Glu Lys Pro Ala Val Val Thr Glu Thr Lys Glu Pro Gly Phe
    130                 135                 140
Glu Glu His Pro Val Thr Arg Glu Leu Ala Lys Glu Ser Glu Val Glu
145                 150                 155                 160
Ala Ser Asp Lys Lys Ala Ala Lys Ser Lys Gly Glu Ala Pro Ala Ala
                165                 170                 175
Pro Glu Thr Leu Glu Ala Pro Ala Pro Glu Thr Val Val Pro Glu Pro
            180                 185                 190
Val Ser Glu Ser Pro Glu Thr Glu Ala Val Ala Lys Glu Pro Ala Thr
        195                 200                 205
Val Glu Ser Thr Gln Glu Pro Ile Thr Thr Thr Gly Glu Gln Ala Lys
    210                 215                 220
Gly Glu Val Ala Ile Asn Glu Pro Thr Glu Ala Thr Ala Thr Glu Glu
225                 230                 235                 240
Ala Val Pro Glu Glu Val Ser Glu Val Lys Gly Glu Ile Glu Glu Pro
                245                 250                 255
Val Ala Ala Val Lys Lys Ser Glu Leu Pro Ala Asp Glu Ser Ser Pro
            260                 265                 270
Arg Gly Trp Lys Asp Ala Thr Val Ala Leu Lys
        275                 280

<210> 22497
<211> 246
<212> PRT
<213> A.fumigatus

<400> 22497
Ser Gly Gln Ala Val Arg Met Ala Ile Ser Met Asn Leu Gly Thr Leu
1               5                   10                  15
Ala Gly Met Ser His Ser Asp Glu Leu Arg Gln Gly Lys Ala Val Ile
            20                  25                  30
Leu Gly Cys Phe Val Val Asp Ser Leu Leu Ser Phe Arg Ile Ala Arg
        35                  40                  45
Arg Pro Cys Met His Pro Arg Asp Leu Thr Gly Val Gly Leu Leu Glu
    50                  55                  60
Glu Asp Gly Leu Glu Glu Trp Asn Ser Trp Ala Asp Val Leu Pro Ser
65                  70                  75                  80
Thr Gly Thr Ala Arg Gly Arg Thr Pro Arg Arg Gly Pro Leu Leu Thr
                85                  90                  95
Leu Ser Cys Phe Asn Arg Leu Val Glu Leu Ala Ser Val Leu Asn Arg
            100                 105                 110
Ile Ala Arg Asp Ala Val Gly Leu Pro Asn Val His Thr Phe Ala Gln
        115                 120                 125
Gln Leu Val Leu Glu Leu Lys Gln Trp Asp Asp Arg Leu Pro Leu Gly
    130                 135                 140
Cys Arg Leu Ile Gly Pro Glu Ser Ile Tyr Pro Glu Arg His Ser Ser
145                 150                 155                 160
Val Leu Pro His Gln Ser Tyr Leu Gly Leu Thr Tyr Val Ala Thr Leu
                165                 170                 175
Leu Trp Leu Tyr Leu Arg Ile Val Pro Gln Glu Leu Asp Leu His Arg
            180                 185                 190
Ser Gln Arg Pro Ala Ile Glu Gly Ala Lys Lys Leu Leu Phe Arg Ala
        195                 200                 205
```

```
Leu Pro Met Ile Thr Gln His Leu Glu Asn Phe Pro Thr Cys Thr Leu
    210                 215                 220
Pro Pro Ile Phe Asp Phe Leu His Ala Gln Ser Val Phe Thr Asn Gly
225                 230                 235                 240
Ala Trp Lys Asp Pro Arg
                245
```

<210> 22498
<211> 106
<212> PRT
<213> A.fumigatus

<400> 22498

```
Pro His Ile Tyr Asn Met Ser Gly Tyr Asn Gly Arg Arg Ala Pro Asn
1               5                   10                  15
Phe Ser Gln Tyr Leu Glu Asp Leu Asn Ala Ile Pro Ser Pro Tyr Asp
            20                  25                  30
Gln Ala Leu Gln Gln Gln Gln Arg Gln Asp Thr Phe Asn Leu Asp Ala
        35                  40                  45
Glu Leu Ser Leu Phe Thr Asn Thr Glu Phe Phe Asp Phe Asp Asn Leu
    50                  55                  60
Gly Asp Leu Asn Leu Pro Ser Phe Asp Ala Val Asn Glu Asp Ser Ala
65                  70                  75                  80
Lys Thr Thr Asp Gln Gln His Gly Gly Pro Ala Ala His Asn Pro Asp
                85                  90                  95
Met Glu Phe Leu Asp Leu Leu Gly Gly Glu
            100                 105
```

<210> 22499
<211> 248
<212> PRT
<213> A.fumigatus

<400> 22499

```
Arg Arg Pro Gln Gln Glu Pro Leu Ala His Tyr Arg Arg Leu Arg Thr
1               5                   10                  15
Asn His Val Arg His Arg Gln Leu Leu Pro Tyr Leu Leu Arg Gly Pro
            20                  25                  30
Cys Arg Pro Ser Gly Pro His Asp Val Gly Leu Leu Trp Leu Arg Ala
        35                  40                  45
Leu Tyr Asp Asp Gly Ile His Ser Pro Glu Leu Gln Gly Lys Gly Lys
    50                  55                  60
Arg Ala Cys Asn Val Leu Ser Leu Arg Cys Val Leu Leu Ser Leu His
65                  70                  75                  80
Ala His Leu Arg Arg Ile Cys Gln Leu His Pro Leu Gly Leu Arg Ala
                85                  90                  95
Gly Asp Pro Ala Ser Ser Arg Gln Ser Glu Arg Asn Arg Arg Gly Asp
            100                 105                 110
Phe Phe Glu Leu Asp Leu Gly Glu Leu Ser Val Leu Pro Phe Glu Arg
        115                 120                 125
Arg Leu Leu Ile Ile Cys Val Gln Asn Phe Phe Val Val Met Ile Thr
    130                 135                 140
Pro Ile Ile Ile Asn Arg Leu Gln Trp Lys Ala Tyr Leu Ile Phe Met
145                 150                 155                 160
Cys Thr Asn Phe Ala Phe Val Pro Leu Val Tyr Phe Cys Tyr Pro Glu
                165                 170                 175
```

```
Thr Ala Asn Leu Thr Leu Glu Glu Ile Asp Tyr Leu Phe Thr Asn Pro
            180                 185                 190
Gln Lys Thr Ala Val Lys Ile Ser Asn Glu Leu His Lys Glu Gly Lys
        195                 200                 205
Arg His Gly His Thr Ser Leu Ala His Ile Asn Ala Arg Gly Arg Asp
    210                 215                 220
Arg Ser Val Ile Glu Asp Thr Gln Glu Lys Ala Pro Ala Ile Gln Ala
225                 230                 235                 240
Pro Gly Glu His Leu Glu Asn Val
                245
```

<210> 22500
<211> 155
<212> PRT
<213> A.fumigatus

<400> 22500

```
Asp Gly Ile Asn Leu Val Val Tyr Gly Val Leu Ala Lys Leu Leu Ser
1               5                   10                  15
Arg Pro Val Thr Asp Lys Asp Arg Ser Tyr Phe Ile Pro Thr Val Leu
            20                  25                  30
Asn Ser Asn Val Gly Leu Ser Lys Asn Leu Ser Leu Ile Ile Gly Gly
        35                  40                  45
Cys Val Gln Ile Met Phe Val Ile Gly Ser Phe Phe Pro Thr Phe Phe
    50                  55                  60
Val Asp Arg Val Gly Arg Arg Val Pro Met Met Trp Gly Ser Phe Gly
65                  70                  75                  80
Leu Gly Leu Cys Met Met Met Val Ser Ile Leu Leu Ser Phe Lys Gly
                85                  90                  95
Lys Ala Asn Glu His Ala Thr Ser Ser Ala Ser Val Ala Phe Phe Phe
            100                 105                 110
Leu Tyr Met Leu Ile Phe Gly Ala Ser Val Asn Cys Ile Pro Trp Val
        115                 120                 125
Tyr Val Pro Glu Ile Leu Pro Leu His Ala Arg Ala Lys Gly Thr Ala
    130                 135                 140
Val Gly Ile Ser Ser Asn Trp Ile Trp Val Ser
145                 150                 155
```

<210> 22501
<211> 66
<212> PRT
<213> A.fumigatus

<400> 22501

```
Arg Thr Arg Asp Leu Ser Ala Pro Val Val Asp Thr Gln Asn Met His
1               5                   10                  15
Ile Ala Asn Gln Asp Trp Phe Val Gly Ile Val Ala Ile Ala Tyr Asp
            20                  25                  30
Ser Val Asn Gly Leu Gly Glu Cys Ser Ala Leu Pro Leu Val Ile Glu
        35                  40                  45
Asp Asn Thr Gly Ser Ser Tyr Val Gln Ser Ala Arg Trp Gly Tyr Glu
    50                  55                  60
Leu Arg
65
```

<210> 22502

<211> 359
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (343)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22502
Leu Gly Phe Leu Ser Val Ile Glu Val Leu Leu Gln Gln Asn Gly Gln
1 5 10 15
Pro Thr Arg Thr Ile Val Leu Ala Phe Gly Phe Asp Glu Lys Ser His
20 25 30
Gly Phe Leu Gly Ala Gly Ser Leu Ser Ser Ala Leu Lys Lys Lys Tyr
35 40 45
Gly Pro Asp Ser Phe Glu Phe Ile Leu Asp Glu Gly Gly Met Gly Leu
50 55 60
Glu Ser Leu Gly Asp Asp Val Val Tyr Ala Leu Pro Gly Val Gly Glu
65 70 75 80
Lys Gly Ser Ile Asp Ile Val Leu Ser Leu Asp Val Ala Gly Gly His
85 90 95
Ser Ser Ile Pro Pro Pro His Thr Gly Ile Gly Ile Met Ala Glu Ile
100 105 110
Ile Tyr Glu Leu Glu Arg Gln Ala Leu Phe Val Pro Val Leu Thr Asp
115 120 125
Asp His Pro Ser Arg Arg Met Leu Glu Cys Gln Ala Arg Tyr Ser Pro
130 135 140
Asn His Val Glu Pro Trp Leu Ala Ser Gly Leu Gln Ser Ser Asp His
145 150 155 160
Val Ala Leu Ala Glu Lys Leu Ala Ser Ser Arg Gly Asp Ala Phe Arg
165 170 175
Tyr Ile Leu Gln Thr Ser Gln Ala Ala Asp Ile Phe Asn Gly Gly Ile
180 185 190
Lys Ala Asn Ala Leu Pro Glu Lys Ile Ser Ala Leu Val Asn Tyr Arg
195 200 205
Ile Ala Leu His Gln Thr Pro Glu Leu Ile Lys Gln Arg Ala Ile Asp
210 215 220
Ile Ile Ala Pro Ile Ala Asp Lys His Asn Leu Leu Trp Thr Ala Phe
225 230 235 240
Pro Glu Thr Thr Ala Ala Thr Ala His Lys Pro Ala Val Asn Asn Gln
245 250 255
Leu Thr Leu Thr Thr Leu Ser Thr Pro Leu Val Pro Ala Pro Val Ser
260 265 270
Pro Thr Asn Ile Asp Thr Asp Ala Val Trp Ala Arg Phe Ala Gly Val
275 280 285
Ala Arg Thr Ser Phe Glu Ser Val Pro Ser Leu Lys Gly Lys Thr Val
290 295 300
Val Val Ser Gly Asp Ile Met Thr Gly Asn Thr Asp Thr Arg Phe Tyr
305 310 315 320
Trp Ala Leu Ser Arg Asn Ile Tyr Arg Trp Ser Pro Ser Arg Arg Gly
325 330 335
Arg Ser Leu Asn Ile His Xaa Val Asp Glu Arg Val Ala Ile Asp Val
340 345 350
His Leu Glu Ala Met Val Leu
355

<210> 22503
<211> 60
<212> PRT
<213> A.fumigatus

<400> 22503
Gln Asp Gln Ser Trp Leu Thr Ala Phe Ile Phe Ala Ala Gln Asp Tyr
1 5 10 15
Asn Glu Gln Asn Cys Tyr Phe Asn Ser Pro Pro Phe Val Gly Cys Ser
20 25 30
Lys Lys Lys Ala Asn Glu Ala Phe Ile Phe Trp Ala Leu Tyr Val Pro
35 40 45
Arg Leu Leu Val Ala Ser Trp Phe Phe Pro Gln Trp
50 55 60

<210> 22504
<211> 70
<212> PRT
<213> A.fumigatus

<400> 22504
Asp Cys Ser Tyr Leu Ser Ile Asp Ile Lys Pro Ile Ser Gln Leu Pro
1 5 10 15
Val Leu Tyr Thr Gly Lys Asp Thr Thr Thr Ala Val Thr Met Ser Asp
20 25 30
Phe Pro Thr Ala Phe Arg Ala Ala Gln Ile Leu Gly Leu Thr Gly Ala
35 40 45
Ala Trp Leu Ser Gly Leu Ser Ile Ala Pro Leu Ser Asn Ile Thr Tyr
50 55 60
Gln Thr Leu Thr Leu Ile
65 70

<210> 22505
<211> 98
<212> PRT
<213> A.fumigatus

<400> 22505
Asp Gln Gly Ile Ala Ala Thr Ala Ala Thr Thr Ala Pro Thr Lys Gly
1 5 10 15
Asn Ala Pro Leu Thr Ala Phe Asn Thr Pro His Leu Ser Ile Ser Asp
20 25 30
Ser Thr Ser Val Leu Val Ala Ser Leu Ser Ser Leu Asp Pro Thr Phe
35 40 45
Ala Ser Ser Asp Arg Phe Val Pro Ile Ile Asn Ala Asn Val Tyr Gly
50 55 60
Thr Ile Pro Thr Val Asn Asn Pro Asp Thr Ala Tyr Arg Lys Leu Leu
65 70 75 80
Phe Gly Ala Ala Thr Ser Asp Asn Ala Val Pro Ser Arg Thr Asp Gln
85 90 95
Asp Arg

<210> 22506
<211> 425

<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (40),(81),(110),(338)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22506
Trp Trp Trp Ala Lys Phe Thr Thr Ser Lys Ser Pro Ser Phe Leu Val
1 5 10 15
Gly Ser Thr Gly Thr Gly Ser Ser Leu Phe Gly Ala Gln Leu Gln Leu
20 25 30
Phe Asn Pro Arg Val Leu Gly Xaa Phe Gly Asn Asn Gln Gly His Gln
35 40 45
His Lys Ile Gly Leu Gly Thr Ser Ser Phe Ser Gly Thr Thr Gln Gln
50 55 60
Ala Gln Pro Leu His Ser Lys Gln Ala Gln Gln Pro Val Pro Glu Ala
65 70 75 80
Xaa Gln Ala Ser Leu Leu Asp Gly Asn Pro Tyr Gly Asn Gln Ser Ile
85 90 95
Phe Ser Gly Leu Pro Ala Pro Ser Ala Pro Ser Pro Gly Xaa Leu Ala
100 105 110
Thr Pro Leu Ser Ser Ser Ile Lys Gln Lys Gln Arg Thr Pro Leu Pro
115 120 125
Val Tyr Lys Ile Thr Pro Thr Ala Ala Asn Arg Leu Ile Thr Pro Pro
130 135 140
Lys Arg Gln Gly Tyr Gly Phe Ser Tyr Ser Thr Tyr Gly Ser Pro Ser
145 150 155 160
Ser Thr Thr Ser Thr Pro Thr Gly Leu Gly Ser Ser Leu Leu Gly Gly
165 170 175
Ser Leu Arg Gly Ser Val Gly Gly Ser Leu Gly Arg Gly Ser Phe Ser
180 185 190
Lys Ser Phe Ser Thr Ser Asn Leu Arg Lys Thr Phe Asp Pro Glu Thr
195 200 205
Asp Ser Val Leu Ser Pro Gly Ala Leu Ser Gly Thr Ser Arg Leu Ser
210 215 220
Ser Gly Ser Leu Lys Arg Leu Thr Ile Asp Arg Ser Leu Arg Asn Asp
225 230 235 240
Leu Phe Ala Arg Pro Ala Ser Thr Pro Ala Ala Pro Ile Thr Asn Gly
245 250 255
Glu Asp Ala Thr Gln Thr Thr Asp Lys Leu Lys Lys Arg Val Ser Phe
260 265 270
Asp Ala Ser Ser Ser Lys Ala Pro Glu Ala Thr Thr Gly Gly Glu Ile
275 280 285
Val Pro Val Ala Ser Glu Ser Pro Glu Pro Thr Pro Glu Glu Leu Gly
290 295 300
Phe Leu Arg Ser Ile Arg Lys Pro Gly Ser Val Asn Gly Ile Asn Gly
305 310 315 320
Val Lys Ala Ser Thr Asp Met Val Ala Arg Pro Glu Met Glu Ser Val
325 330 335
Arg Xaa Lys Asp Leu Pro Val Val Pro Glu Asp Ser Glu His Ala Ala
340 345 350
Thr Asp Arg Ser Asn Lys Ile Pro Phe Val Pro Gly Ser Asp Pro Lys
355 360 365
Pro Gly Glu Tyr Trp Met Lys Pro Ser Arg Ala Glu Leu Ser Lys Met

```
    370                 375                 380
Ser Pro Glu Asp Leu Lys His Val Val Gly Phe Thr Val Gly Arg Gln
385                 390                 395                 400
Arg Cys Gly Gln Val Thr Phe Asp Glu Pro Val Asp Leu Thr Thr Ile
                405                 410                 415
Glu Leu Asp Gln Ile Phe Arg Gly Leu
            420                 425
```

<210> 22507
<211> 154
<212> PRT
<213> A.fumigatus

<400> 22507

```
Leu Gln Asn Leu Asp Ala Leu Ser Asn Leu Arg Ile Ile Ser Ile Gln
1               5                   10                  15
Ser Asn Arg Leu Thr Ser Ile Thr Gly Leu Ser Ser Leu Lys Asn Leu
            20                  25                  30
Glu Glu Leu Tyr Leu Ser His Asn Ala Ile Thr Asp Leu Ser Gly Leu
        35                  40                  45
Glu Ser Asn Thr Ser Leu Arg Val Leu Asp Phe Ser Asn Asn Lys Ile
    50                  55                  60
Ser Lys Leu Glu His Ile Ser His Leu Lys Asn Leu Glu Glu Leu Trp
65                  70                  75                  80
Ala Ser Asn Asn Glu Leu Ser Ser Phe Glu Glu Val Glu Arg Glu Leu
                85                  90                  95
Arg Asp Lys Glu Lys Leu Gln Thr Val Tyr Phe Glu Gly Asn Pro Leu
            100                 105                 110
Gln Thr Lys Gly Pro Ala Val Tyr Arg Asn Lys Val Arg Leu Ala Leu
        115                 120                 125
Pro Gln Ile Met Gln Ile Asp Ala Ser Lys Phe Ser Phe Phe Ala Gly
    130                 135                 140
Arg Ala Leu Gly Trp Val Ala Asp Asp Ile
145                 150
```

<210> 22508
<211> 65
<212> PRT
<213> A.fumigatus

<400> 22508

```
Met Ser Leu Trp Glu Arg Ile His Thr Leu Gly Gly Leu Thr Ala Glu
1               5                   10                  15
Leu Arg Glu Thr Asp Trp Ser Thr Gly Glu Gln Gln Leu His Cys Leu
            20                  25                  30
Arg Gln Val Leu Leu Arg Lys Ser Arg Thr Leu Leu Leu Asp Glu Ala
        35                  40                  45
Thr Ser Arg Phe Gly Ala His Pro Ile Ser Gly Arg Phe Arg Leu Asp
    50                  55                  60
Cys
65
```

<210> 22509
<211> 94
<212> PRT
<213> A.fumigatus

<400> 22509
Val Pro Cys Leu Tyr Ile Phe Phe Val Val Ser Val Cys Leu Thr Leu
1 5 10 15
Ala Ile Val Asn Thr Phe Trp Cys Tyr Leu Met Pro Ile Leu Gly Ala
20 25 30
Tyr Ile Ala Asp Glu Phe Trp Gly Arg Leu Lys Thr Ile Gln Val Ser
35 40 45
Ile Ala Phe Ala Met Val Gly His Ile Ile Leu Ile Ile Ser Ala Leu
50 55 60
Pro Ser Val Ile Ala His Pro His Gly Ala Leu Gly Cys Phe Ala Val
65 70 75 80
Gly Leu Val Ile Phe Gly Ile Gly Val Gly Gly Phe Lys Tyr
85 90

<210> 22510
<211> 159
<212> PRT
<213> A.fumigatus

<400> 22510
His Val Cys Asn Arg Ser Asn Ile Ala Pro Leu Ile Ala Glu Gln His
1 5 10 15
Lys Glu Thr Arg Ser Phe Ile Lys Val Ile Pro Lys Thr Gly Glu Arg
20 25 30
Val Ile Val Asp Pro Ala Gln Thr Ile Thr Arg Ile Phe Leu Tyr Phe
35 40 45
Tyr Phe Met Ile Asn Val Gly Ala Leu Val Gly Ser Ile Ala Met Val
50 55 60
Tyr Ala Glu Lys Tyr Val Gly Phe Trp Leu Ala Phe Leu Leu Pro Thr
65 70 75 80
Ile Met Phe Ala Phe Cys Pro Ala Val Ile Phe Ala Cys Arg Asn Lys
85 90 95
Tyr Glu Val Thr Pro Ala Thr Gly Ser Val Ser Ala Lys Ala Phe Lys
100 105 110
Leu Trp Ala Phe Ala Leu Gln Gly Arg Trp Ser Trp Asn Pro Val Arg
115 120 125
Leu Leu Val Leu Leu Thr Pro Cys Arg Val Phe Phe Val Leu Thr Pro
130 135 140
Leu Val Ala Cys Gly Ile Ala Ser Leu Leu Thr Ser Gly Arg Glu
145 150 155

<210> 22511
<211> 66
<212> PRT
<213> A.fumigatus

<400> 22511
His Leu Met Thr Asn Gly Ser Met Lys Tyr Ala Glu Leu Ser Lys Arg
1 5 10 15
Val Leu Ser Phe Ser Gly Ile Leu Ser Thr Val Cys Val His Ile Thr
20 25 30
Asn Val Val Asn Lys Thr Tyr Arg Asp Asp Arg Val Gly Leu Trp Ala
35 40 45
Asp Asp Gln Gln Ser Asp Leu Ala Gly Ser His Asn Ala Ala Glu Arg
50 55 60

Cys Pro
65

<210> 22512
<211> 160
<212> PRT
<213> A.fumigatus

<400> 22512
Arg Arg Arg Leu Gly Arg Leu Asn Arg His Gly Val Cys Arg Glu Ile
1 5 10 15
Arg Gly Ile Leu Ala Cys Ile Ser Ser Pro Asn His His Val Cys Val
20 25 30
Leu Pro Cys Cys Asp Leu Cys Met Pro Gln Gln Val Arg Gly His Thr
35 40 45
Arg Tyr Arg Leu Gly Phe Arg Glu Ser Ile Gln Ala Leu Gly Phe Cys
50 55 60
Ser Pro Arg Pro Leu Val Val Glu Ser Ser Ala Ile Val Ser Ala Pro
65 70 75 80
His Ser Met Ser Ser Phe Leu Arg Thr Asp Ser Pro Cys Ser Val Arg
85 90 95
Asn Cys Gln Ser Pro Asp Phe Trp Glu Arg Val Lys Pro Ser Arg Val
100 105 110
Gln Asn Lys Pro Glu Trp Met Thr Phe Asp Asp Gln Trp Val Asp Glu
115 120 125
Val Arg Arg Ala Val Lys Ala Cys Ala Val Phe Leu Trp Tyr Pro Val
130 135 140
Tyr Cys Met Cys Pro Tyr His Lys Arg Arg Glu Gln Asn Leu Pro Arg
145 150 155 160

<210> 22513
<211> 93
<212> PRT
<213> A.fumigatus

<400> 22513
Arg His Ala Asp Phe Pro Trp Ala Ser Leu Gly Asp Ala Leu Val Val
1 5 10 15
Asp Val Gly Gly Gly Val Gly Gly Phe Pro Leu Gln Leu Ser Lys Val
20 25 30
Tyr Pro Gln Leu Arg Phe Ile Val Gln Asp Arg Gly Pro Val Val Lys
35 40 45
Gln Gly Leu Glu Lys Val Trp Pro Arg Glu Asn Pro Glu Ala Leu His
50 55 60
Gln Gly Arg Val Gln Phe Val Glu His Ser Phe Phe Asp Thr Asn Pro
65 70 75 80
Thr Glu Gly Ala Asp Ile Tyr Phe Leu Arg Tyr Val Leu
85 90

<210> 22514
<211> 60
<212> PRT
<213> A.fumigatus

<400> 22514
Gln Val Leu Ser Cys Ser Cys Lys Leu Ile Asn Val Thr Gln Ser Leu

```
1               5                   10                  15
Leu Leu His Ser Ser Met Gln Ile Thr Pro His Pro Val Ala Asp Leu
            20                  25                  30
Asp Gln Ser Tyr Pro Ala Pro Thr Lys Lys Glu Met His Phe Cys Phe
        35                  40                  45
Leu Val Arg Ser Pro Ser Arg Arg Pro Thr Gly Val
    50                  55                  60

<210> 22515
<211> 282
<212> PRT
<213> A.fumigatus

<400> 22515
Glu Arg Gly Thr Phe Gln Pro Arg Gly Glu Asp Pro Pro Leu Leu Asp
1               5                   10                  15
Tyr Pro Ser Ser Arg Ser Arg Leu Ala Glu Leu Gly His Asp Gly Ile
            20                  25                  30
Arg Cys His His Trp Gly Pro Ser Pro Val Arg Lys Cys Pro Lys Ile
        35                  40                  45
Thr Ser Ser Pro Cys Ile Thr Ser Asp Trp Asn Arg Ile Tyr Val Val
    50                  55                  60
Arg Ala Val Ala Ser Lys Phe Phe Asp Tyr Arg Ile Asn Lys Thr Gln
65                  70                  75                  80
Arg His Leu Glu Asp Leu Gln Lys Gln Arg Asp Glu Thr Ile Glu Lys
                85                  90                  95
Leu Lys Val Ala Thr Lys Tyr Asn Ser Thr Gln Gln Leu Leu Glu Lys
            100                 105                 110
Tyr Gly Ala Glu Ser Pro Lys Pro Ser Arg Pro Lys Gly Gly Asp Glu
        115                 120                 125
Lys Arg Lys Thr Asp Ala Lys Arg Lys Gln Pro Ser Thr Pro Gln Gln
    130                 135                 140
Pro Val Met Arg Thr Gly Leu Pro Pro Pro Pro Thr Ala Asn Ile Arg
145                 150                 155                 160
Arg Pro Thr Pro Ala Gln Ser Pro Val Ser Ser Pro Gly Gln Pro Gln
                165                 170                 175
Ser Pro Pro Ser Tyr Leu Ile Gln Glu Gln Pro Gln Leu Gln Asn Ser
            180                 185                 190
His Pro Pro Val Pro Pro Ala Leu Asp Glu Pro Gly Phe Ala Pro Asn
        195                 200                 205
Ala Phe Pro Ser Ala Pro Gln Tyr Val Glu His Ser Ser Leu Val Arg
    210                 215                 220
Pro Phe Ala Arg His Pro Thr Arg Arg Gly Arg Asp Pro Pro His Glu
225                 230                 235                 240
Pro Asp Gly Val Asp Met Arg His Leu Pro Thr Arg Gln Arg Gly Ser
                245                 250                 255
Pro Ala Gly Gly Gln Asp Pro Gly Ile Thr Trp Ala Ala Gly Gly Val
            260                 265                 270
Gly Thr Cys Arg Gly Met Gly Arg Gly Lys
        275                 280

<210> 22516
<211> 66
<212> PRT
<213> A.fumigatus
```

<400> 22516
Ser Val Val Pro Ser Ser Arg Gly Val Lys Thr Leu Leu Tyr Ser Ile
1 5 10 15
Ile Leu Ala Leu Val Leu Gly Trp Gln Asn Trp Gly Met Thr Glu Tyr
20 25 30
Ala Ala Ile Ile Gly Gly Pro Val Leu Tyr Glu Asn Val Pro Arg Ser
35 40 45
Pro Arg Val Leu Val Ser Arg Leu Thr Gly Thr Gly Ser Thr Leu Ser
50 55 60
Glu Pro
65

<210> 22517
<211> 247
<212> PRT
<213> A.fumigatus

<400> 22517
Ile Ala Arg Asp Phe Arg Leu Leu Ser Asp Thr Tyr Glu Arg Asp Pro
1 5 10 15
Arg Arg Ser Gln Glu Glu Leu Lys Leu Asp Tyr Ile Val Thr Gly Ser
20 25 30
Trp Ser Leu Lys Ala Ala Gln Glu Ala Thr Arg Leu Val Gly Ala Lys
35 40 45
His Val Asn Ile Ala Leu Asp Ala Arg Thr Ala Ser Asn Gly Lys Phe
50 55 60
Gly Lys Ile Pro Ala Glu Asp Thr Trp Thr Leu Ser Pro Ser Lys Asn
65 70 75 80
Ser Ala Phe Val Tyr Phe Cys Asp Asn Glu Thr Val Asp Gly Val Glu
85 90 95
Phe Pro Asn Phe Pro Lys Ile Leu Glu Ser Asp Asp Arg Ile Val Val
100 105 110
Ala Asp Met Ser Ser Asn Phe Leu Ser Arg Asn Val Asp Val Lys Lys
115 120 125
Tyr Ser Val Ile Phe Val Arg Ile Leu Pro Cys Asp Glu Val Trp Phe
130 135 140
Ser Ser Leu Arg Ala Asn Gly Gln Gln Gly Gly Ala Gln Lys Asn Ile
145 150 155 160
Gly Ile Ala Gly Ile Ser Ile Val Ile Ile Arg Lys Ser Leu Leu Pro
165 170 175
Pro Gln Thr Pro Thr Pro Ala Pro Ala Leu Leu His Arg Leu Asn Ile
180 185 190
Gly Gly Leu Pro Gly Ser Val Val Leu Asp Tyr Ala Thr Ile Ala Lys
195 200 205
Asn Asn Ser Leu Tyr Asn Thr Leu Pro Ile Phe Asn Leu Trp Ile Ala
210 215 220
Gly Gln Val Met Ala Glu Leu Val Gln Thr Tyr Gly Val Gln Lys Ile
225 230 235 240
Ser Gly His Gln Gln Ile Ser
245

<210> 22518
<211> 151
<212> PRT
<213> A.fumigatus

<400> 22518
Val Ser Ala Leu Val Gly His Gln Glu Thr Asn Ser Val Tyr Leu Gly
1 5 10 15
Gly Tyr Phe Lys Tyr Glu Asn Thr Ser Asn Ala Val Ala Trp Ile Gly
20 25 30
Gly Glu Gly Trp Lys Thr Leu Pro Phe Asp Gly Leu Asn Gly Pro Val
35 40 45
Glu Ser Ile Leu Lys Asn Asp Asp Gly His Val Ile Phe Ala Gly Ser
50 55 60
Phe Asp Gly Val Gly Asn Ser Thr Ser Ser Lys Lys Lys Glu Gln Ile
65 70 75 80
Val Asn Leu Gln Asp Ala Thr Ile Thr Ser Asp Ala Val Ser Ser Arg
85 90 95
Ser Gly Tyr Ser Asp Pro Arg Asn Val Ile Cys Gln Thr Ser Gly Ala
100 105 110
Asp Gly Glu Gly Lys Thr Trp Leu Leu Ala Asp Thr Ser Pro Gly Phe
115 120 125
Trp Arg Ala Asp Met Gly Phe Gln Tyr Arg Pro Thr Lys Leu Arg Leu
130 135 140
Tyr Asn Thr His Phe Glu Gly
145 150

<210> 22519
<211> 86
<212> PRT
<213> A.fumigatus

<400> 22519
Gly Thr Lys Thr Phe Leu Phe Arg Arg Leu Pro Asp Asn Gly Ile Met
1 5 10 15
Asn Phe Thr Tyr Thr Asp Pro Asp Thr Gly Tyr Asp Val His Cys Asp
20 25 30
Ser Thr Cys Pro Leu Ser Asp Arg Ala Asp Glu Lys Tyr Arg Asp Phe
35 40 45
Glu Phe Val Asn Val Val Gly Met Ser Gly Phe His Ile Glu Ile Ser
50 55 60
Asp Trp Tyr Gly Ser Gly Ala Gly Leu Asn Gly Ile Glu Leu Phe Gln
65 70 75 80
Glu Ser Glu Ile Asn Pro
85

<210> 22520
<211> 244
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (167),(185)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22520
Pro Phe Arg Gly Leu Leu Lys Pro Asn Met Thr Asp Phe Phe Ala Tyr
1 5 10 15
Ala Val Asp Ala Phe Asn Glu Pro Thr Cys Ala Ser Ile Lys Tyr Pro
20 25 30

```
Ser Lys Ala Thr Arg Thr Gly Ser Trp Ser Thr Thr Glu Ser Gly Gln
        35                  40                  45
Ser Ser Ser Lys Tyr Leu Thr Ala His Val Thr Asp Ser Thr Ala Asp
    50                  55                  60
Ser Ala Ser Val Val Phe Glu Pro Asp Ile Asn Gln Ser Gly Asn Tyr
65                  70                  75                  80
Ser Ile Leu Leu Tyr Thr Pro Gly Cys Ile Gln Asp Gly Thr Cys Gly
                85                  90                  95
Ser Arg Gly Val Val Asn Val Thr Ala Thr Val Thr Thr Asp Ser Asp
            100                 105                 110
Gln His Ile Gln Thr Val Ile His Gln Thr Asn Leu Tyr Glu Lys Tyr
        115                 120                 125
Asp Asn Ile Tyr Thr Gly His Val Asp Ala Ser Asp Ser Ser Phe Arg
    130                 135                 140
Pro Gln Val Lys Leu Thr Thr Val Ala Gly Gln Gly Asp Ile Thr Val
145                 150                 155                 160
Val Ala Ser Arg Val Glu Xaa Lys Leu Thr Asn Ala Ala Ser Asn Ser
                165                 170                 175
Thr Ser Gly Asp Leu Asn Gly Leu Xaa Glu Tyr Asp Pro Ala Ser Lys
            180                 185                 190
Asp Thr Ser Glu Asn Leu Thr Gln Ser Val Val Asn Ala Ala Gly Leu
        195                 200                 205
Gln Leu Asp Ser Arg Ala Ser Val Lys Thr Leu Ala Lys His Asp Asn
    210                 215                 220
Arg Ile Tyr Ala Gly Arg Lys Phe Ser Lys Phe Leu Asn Ser Gln Tyr
225                 230                 235                 240
Gln Val Phe Pro
```

<210> 22521
<211> 208
<212> PRT
<213> A.fumigatus

<400> 22521

```
Glu Gly Leu Ala His Leu Thr Ala Ile Pro Gly Leu Leu Leu His Val
1               5                   10                  15
Asn Ser Trp Asn Ile Gly Ala Pro Asn Phe Phe Val Ser Leu Arg Ile
            20                  25                  30
Met Pro Arg Asn Ile Ile Gln Gly Gly Gly Ser Ile Leu Arg Tyr Leu
        35                  40                  45
His Arg Ser Asn Ala Leu Ile Arg Pro Ser Arg Val Ala Ile Ala Asn
    50                  55                  60
Gly Phe Ile Arg Arg Ile Cys Val Ser Met Asn Ser Gln Leu Val Ser
65                  70                  75                  80
Pro Thr Met Lys Thr Phe Arg Pro Ser Val Ile Leu Ser Arg Pro Leu
                85                  90                  95
Ile Asn Ser Phe Ala Thr Thr Ile Thr Pro Asp Asp Glu Thr Glu Thr
            100                 105                 110
Thr Lys Ser Thr Gly Ser Lys Thr Gly Lys Lys Asn Thr Lys Lys Arg
        115                 120                 125
Ser Ser Lys Ala Ala Thr Lys Ala Lys Pro Lys Pro Arg Lys Lys Leu
    130                 135                 140
Thr Asp Lys Gln Lys Glu Ala Lys Lys Ala Glu Lys Met Lys Glu Leu
145                 150                 155                 160
Val Lys Gln Leu Lys Lys Thr Ala Leu Glu Pro Pro Lys Lys Leu Ile
```

```
                165                 170                 175
Glu Asn Pro Trp Asn Leu Thr Ile Ala Thr Val Ala Lys Gly Leu Gln
            180                 185                 190
Ala Arg Gly Val Asn Gly Thr Asp Phe Ile Met Gln Cys Ser Gln Leu
        195                 200                 205
```

<210> 22522
<211> 181
<212> PRT
<213> A.fumigatus

<400> 22522

```
Ser His Ile Lys Thr Leu Ile Thr Leu Ala Ser Asn Asn Leu Val Ala
1               5                   10                  15
Ser Leu Lys Ala Glu Leu Glu Ala Gln Lys Lys Leu Gly Gln Gln Ser
            20                  25                  30
Arg Ala Leu Gln Lys Gln Leu Lys Glu Arg Asp Ala Glu Val Ala Glu
        35                  40                  45
Leu Lys Ser Gln Val Ser Glu Ala Lys Lys Gln Leu Thr Ser Ala Gln
    50                  55                  60
Ser Glu Val Lys Ala Leu Gln Thr Lys Leu Ala Ala Ala Arg Asn Thr
65                  70                  75                  80
Thr Ala Ser Leu Glu Asn Ala Ala Ala Lys Val Pro Gly Ser Ala Ile
                85                  90                  95
Lys Asn Asn Arg Ala Asn Arg Ala Ala Asp Ala Glu Ala Ala Gln Ala
            100                 105                 110
Ala His Leu Ser Gln Leu Lys Glu Glu Leu Tyr Ser Asp Leu Thr Gly
        115                 120                 125
Leu Val Ile Leu Asp Val Lys Lys Arg Glu Ser Asp His Leu Tyr Asp
    130                 135                 140
Cys Leu Gln Thr Gly Val Asn Gly Ser Lys Phe Tyr Phe Glu Lys Gly
145                 150                 155                 160
Gly Leu Gln Asp Val Phe Leu Thr Pro Arg Gln Leu Phe Thr Ser Asn
                165                 170                 175
Trp Leu Ser Gln Gln
            180
```

<210> 22523
<211> 254
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (2)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22523

```
Ile Xaa Gly Leu Ser Leu Gly Gly Tyr Phe Arg Gly Val Glu Asp Pro
1               5                   10                  15
Gly Ala Pro Gly Gly Leu Leu Glu Ile Arg Ser Leu Gln Ser Ser Val
            20                  25                  30
Val Arg Thr Asn Cys Met Asp Cys Leu Asp Arg Thr Asn Val Val Gln
        35                  40                  45
Ser Met Leu Gly Arg Trp Ala Val Ser Arg Gln Leu Met Asp Ala Gly
    50                  55                  60
```

```
Val Leu Arg Pro Gly Glu Ala Ala Asn Asp Asp Arg Glu Phe Glu Asn
65                  70                  75                  80
Leu Phe Arg Asn Ile Trp Ala Asp Asn Ala Asp Val Val Ser Lys Ala
                85                  90                  95
Tyr Ser Gly Thr Gly Ala Leu Lys Thr Asp Phe Thr Arg Thr Gly Gln
            100                 105                 110
Arg Thr Arg Ala Gly Met Val Gln Asp Leu Cys Asn Ser Ile Thr Arg
        115                 120                 125
Tyr Ile Arg Asn Asn Phe Leu Asp Gly Pro Arg Gln Asp Gly Phe Asp
    130                 135                 140
Val Phe Leu Gly Thr Tyr Leu Pro Pro Asp Ser Ala Leu Gly Asn Ile
145                 150                 155                 160
Gln Leu Phe Val Asp Arg Arg Pro Leu Ile Ile Gln Ser Ile Pro Tyr
                165                 170                 175
Ile Leu Ala Ala Gly Leu Phe Met Ile Phe Val Ser Ile Phe Thr Lys
            180                 185                 190
Arg Leu Pro Asp Ser Ala Val Trp Pro Ile Arg Ile Phe Ile Phe Phe
        195                 200                 205
Trp Val Val Val Ser Ala Trp Cys Ala Arg Phe Ile Phe Ala His Gly
    210                 215                 220
Met Leu Tyr Val Ser Phe Thr Phe Thr Pro Leu Phe Ala Trp Ser Phe
225                 230                 235                 240
Val Pro Asn Ile Pro Gly Leu Leu Gly Pro Pro Gly Pro Asn
                245                 250

<210> 22524
<211> 62
<212> PRT
<213> A.fumigatus

<400> 22524
Trp Ser Thr Leu Asn Thr Glu Asn Gly Glu Phe Ile Ile Val Leu Asp
1               5                   10                  15
Ser Gln Asp Arg Glu Asn Glu Gly Asp Leu Ile Ile Ala Ala Glu Ser
            20                  25                  30
Ile Thr Asp Ser Gln Met Ala Phe Leu Val Arg Phe Thr Arg Leu Val
        35                  40                  45
His Pro Phe Leu His Ser Ile Pro Asp Ser Gln Ser Ala Ser
    50                  55                  60

<210> 22525
<211> 229
<212> PRT
<213> A.fumigatus

<400> 22525
Glu Thr Gly Ala Ala Ala Gly Gln Gly Ala Val Asn Pro Asp Thr Leu
1               5                   10                  15
Lys Ser Pro Thr Ser Pro Ser Val His Lys Val Thr Lys Tyr Pro His
            20                  25                  30
Ser Pro Val Pro Pro Arg Pro Leu Ile Pro Ala Arg Leu Pro Ser Tyr
        35                  40                  45
Thr Ala Ala Pro Arg Asn Ser Arg Ala Pro Gln Lys Thr Leu Val Leu
    50                  55                  60
Asp Leu Asp Glu Thr Leu Ile His Ser Leu Ala Lys Gly Gly Arg Met
65                  70                  75                  80
```

```
Ser Ser Gly His Met Val Glu Val Lys Leu Ala Thr Pro Met Thr Thr
                85                  90                  95
Ala Leu Thr Pro Gly Gly Pro Pro Thr Thr Leu Gly Pro Gln His Pro
            100                 105                 110
Ile Leu Tyr Tyr Val His Lys Arg Pro Asn Cys Asp Asp Phe Leu Arg
        115                 120                 125
Lys Val Cys Lys Trp Tyr Lys Leu Val Ile Phe Thr Ala Ser Val Gln
    130                 135                 140
Glu Tyr Ala Asp Pro Val Ile Asp Trp Leu Glu Gln Glu Arg Lys Tyr
145                 150                 155                 160
Phe His Ala Arg Tyr Tyr Arg Gln His Cys Thr Phe Arg Asn Gly Ala
                165                 170                 175
Tyr Ile Lys Asp Leu Ser Ser Val Glu Pro Asp Leu Ser Lys Val Met
            180                 185                 190
Ile Leu Asp Asn Ser Pro Met Ser Tyr Leu Phe His Glu Gly Thr Ser
        195                 200                 205
Glu Glu Ser Ile Phe Asn Val Cys Leu Leu Phe Val Ser Tyr Ser Asp
    210                 215                 220
Leu Thr Val Ser Arg
225
```

<210> 22526
<211> 69
<212> PRT
<213> A.fumigatus

<400> 22526

```
Pro Gly Trp Ser Arg Ser Leu Ala Leu Val Lys Arg Pro Pro Arg Pro
1               5                   10                  15
Ser Lys Val Val Gly Leu Pro Gln Cys Trp Asp Tyr Arg Arg Glu Pro
            20                  25                  30
Pro Arg Pro Ala Lys Arg Arg Asp Phe Phe Ser Leu Leu Arg Gly Gln
        35                  40                  45
Ala Met Gly Asn Leu Thr Leu Pro Trp Ser Gln Ala Ser Arg Gln Phe
    50                  55                  60
Ser Cys Gly Asn Pro
65
```

<210> 22527
<211> 63
<212> PRT
<213> A.fumigatus

<400> 22527

```
Gly Val Gln Trp Arg Asp Leu Gly Ser Leu Gln Ala Pro Pro His Arg
1               5                   10                  15
Phe Thr Pro Leu Ser Cys Leu Ser Leu Pro Ser Ser Trp Asp Asp Arg
            20                  25                  30
His Pro Pro Pro Cys Leu Ala Asn Phe Phe Val Phe Leu Val Ala Thr
        35                  40                  45
Gly Phe Tyr His Val Ser Gln Asp Gly Leu Asp Leu Leu Pro Leu
    50                  55                  60
```

<210> 22528
<211> 81
<212> PRT

<213> A.fumigatus

<220>
<221> UNSURE
<222> (27)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22528
Leu Pro Pro Ser Gly Glu Gly Leu Gly Ser Ser Gln Ile Leu Phe Ser
1 5 10 15
Tyr Phe Phe Glu Thr Glu Ser His Ser Val Xaa Gln Ala Gly Val Leu
20 25 30
Trp His Thr Leu Ser Ser Leu Gln Pro Pro Pro Pro Gly Leu Lys Arg
35 40 45
Phe Ser Cys Leu Ser Leu Pro Ser Ser Trp Asp Tyr Arg His Ser Pro
50 55 60
Pro Cys Pro Ala Asn Phe Cys Ile Phe Ser Arg Asp Arg Val Ser Pro
65 70 75 80
Cys

<210> 22529
<211> 117
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (27)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22529
Tyr His Leu Gln Gly Lys Ala Trp Val Pro Ala Arg Phe Cys Phe Leu
1 5 10 15
Ile Phe Leu Arg Gln Ser Leu Thr Leu Ser Xaa Arg Leu Glu Cys Cys
20 25 30
Gly Ile Leu Ser Ala His Cys Asn Leu His His Leu Gly Leu Ser Asp
35 40 45
Ser Pro Ala Ser Ala Ser Arg Val Ala Gly Thr Thr Gly Thr His His
50 55 60
His Ala Leu Leu Ile Phe Val Phe Leu Val Glu Thr Gly Phe His His
65 70 75 80
Val Asp Gln Ala Gly Leu Lys Leu Leu Thr Ser Gly Asp Leu Pro Ala
85 90 95
Leu Ala Ser Gln Ser Ala Gly Ile Thr Gly Val Gly His His Ala Trp
100 105 110
Pro Ile Gln Ile Phe
115

<210> 22530
<211> 95
<212> PRT
<213> A.fumigatus

<400> 22530
Ala Leu Cys His His Gly Ala Gly Val Ala Pro Ala Trp Val Val Lys

```
1               5                   10                  15
Phe Phe Phe Lys Lys Thr Ser Gln Lys Ile Ile Phe Leu Ser Gln Val
            20                  25                  30
Trp Trp His Val Pro Val Val Pro Ala Thr Arg Glu Ala Glu Ala Gln
        35                  40                  45
Lys Ser Leu Glu Pro Arg Glu Ala Glu Val Ala Val Ser Gln Asp Arg
    50                  55                  60
Ala Thr Ala Phe Gln Pro Gly Leu Gln Asn Lys Thr Pro Ser Gln Lys
65                  70                  75                  80
Lys Lys Lys Lys Ser Ser Ser Phe Ser Arg Ile Thr Ile Tyr Lys
                85                  90                  95
```

<210> 22531
<211> 76
<212> PRT
<213> A.fumigatus

<400> 22531

```
Thr Gln Gly Pro Ser Ser Ser Ser Trp Cys Pro Val Thr Leu Gly Glu
1               5                   10                  15
Ala Val Val Pro Pro Leu Gln Ser Glu Glu Lys Gly Pro Asp Val Ala
            20                  25                  30
Lys Leu Phe Tyr Gly Phe Lys Ser Pro Ile Gly Leu Leu Pro Pro Ser
        35                  40                  45
Trp Thr Tyr Asp Val Trp Thr Ser Arg Tyr Ile Gln Leu Arg Phe Val
    50                  55                  60
Phe Phe Phe Asp Ile Val Ile Cys Ile Phe Lys Val
65                  70                  75
```

<210> 22532
<211> 63
<212> PRT
<213> A.fumigatus

<400> 22532

```
Phe Leu Cys Leu Ser Leu Pro Ser Ser Trp Asp Tyr Arg Tyr Met Pro
1               5                   10                  15
Pro His Leu Ala Glu Lys Asn Tyr Phe Leu Arg Ser Phe Phe Lys Lys
            20                  25                  30
Lys Leu His His Pro Cys Arg Ser His Thr Cys Pro Met Val Ala Glu
        35                  40                  45
Ser Leu His Glu Pro Arg Gly Pro His Pro His Pro Gly Ala Leu
    50                  55                  60
```

<210> 22533
<211> 83
<212> PRT
<213> A.fumigatus

<400> 22533

```
Leu Thr Asp Pro Ser Ala Gln Cys Pro His Pro Asp Tyr His Ile Ser
1               5                   10                  15
Leu Leu Tyr Val Asp Asn Asn Ser Cys Leu Asn Cys Glu Tyr Asp Cys
            20                  25                  30
Leu Ser Leu Asn Gly Gly Gly Asn Val Thr Phe Ala Lys Cys Val Met
        35                  40                  45
```

```
Gln Cys Gln Leu Glu Thr Cys Asn Pro Leu Gly Asn Leu His Val His
    50                  55                  60
His Ala Arg Arg Ser Tyr Pro Leu Ser Ser Pro Pro Gly Trp Lys Asp
65                  70                  75                  80
Lys Arg Trp
```

<210> 22534
<211> 214
<212> PRT
<213> A.fumigatus

<400> 22534

```
Ser Leu Lys Leu Ala Thr Thr Ala Thr Tyr Thr Met Pro Ala Thr Val
1               5                   10                  15
Leu Pro Ala Ile Asp Asp Pro Asp Thr Arg Pro Pro Ala Asp Met Val
            20                  25                  30
Asp Ser Asp Gln Asp Ala Glu Gly Glu Asp Glu Thr Asp Leu Tyr Glu
        35                  40                  45
Met Asp Gln Gln Leu Gln Asn Ala Val His Arg Ala Tyr Ser Gly Glu
    50                  55                  60
Asn Thr Asp Gly Asp Gln Asp Ala Asp Tyr Asp Glu Asp Glu Asp Ala
65                  70                  75                  80
Glu Gly Glu Pro Asp Thr Glu Leu Asn Ile Asn Gly Gly Asn Asp Asp
                85                  90                  95
Ala Glu Pro Val Gly Ala Val Lys Met Pro Asp Thr Ala Gly Ser Leu
            100                 105                 110
Asp Asn Asp Asp Val Ala Ser Ala Ala Ala Asp Ala Glu Asp Asp Pro
        115                 120                 125
Ala Phe Glu Asn Leu Ser Asp Thr Asp Thr Pro Ala Ala Ser Pro Ser
    130                 135                 140
Ser Ser Glu Ser Glu Ala Asp Glu Glu Trp Glu Ala Glu Ser Asn Asn
145                 150                 155                 160
Arg Glu Asp Ala Glu Val Asp Thr Thr Val Arg Ser Asn Cys Met Trp
                165                 170                 175
Val His Tyr Ser Pro Tyr Ala His Pro Val Val Ile Leu Ser Asp Ala
            180                 185                 190
Glu Ile Gly Glu Val Ala Cys Leu His Leu Glu Glu Pro Ile Arg Ile
        195                 200                 205
Ile Asn Pro Pro Pro Lys
    210
```

<210> 22535
<211> 64
<212> PRT
<213> A.fumigatus

<400> 22535

```
Asn Tyr Ala Lys Ile Phe Gln Ala Thr Leu Asp Leu Thr Gln Leu Tyr
1               5                   10                  15
Asn Asn Val His Asp Val Leu Tyr Ser Gly Met Arg Thr Ser Asn Gln
            20                  25                  30
Met Met Leu Met Gly Asp Tyr Val Lys Tyr Val Asp Asp Phe Arg Leu
        35                  40                  45
Ala Ile Leu Arg Trp Lys Ser Arg Trp Gly Ser Leu Ser Cys Arg Ala
    50                  55                  60
```

<210> 22536
<211> 131
<212> PRT
<213> A.fumigatus

<400> 22536
Pro His Met Leu Thr Leu Ser Ala Thr Tyr Ala Phe Ala Gly Ser Thr
1 5 10 15
Pro Met Arg Ala Thr Met Gln Leu Ser Tyr Glu Tyr Leu Arg Leu Tyr
20 25 30
Thr Asn Ala Phe Ala Phe Gln Ala Ala Ile Ser Gln Ser Leu Val Ser
35 40 45
Lys His Lys Asn Asn Asn Gln Ser Gln Arg Glu His Leu Arg Ala Thr
50 55 60
Phe Asn Asn Val Ala Ser Met Gln Asp Ala Arg Phe Ile Tyr Glu Ser
65 70 75 80
Val Asp Ala Ala Lys Ala Tyr Leu Thr Ile Leu Val Asp Glu Val His
85 90 95
Pro Glu Lys His Leu His Phe Met Pro Leu Arg Phe Tyr Leu Tyr Gly
100 105 110
Ile Tyr Ala Ala Val Phe Leu Tyr Lys Val Ser Arg Ser Phe Lys Met
115 120 125
Ile Arg Val
130

<210> 22537
<211> 75
<212> PRT
<213> A.fumigatus

<400> 22537
Gln Met Lys Pro Phe Gln Arg Ala Val Leu Tyr Lys Asn Ile Lys Phe
1 5 10 15
Ala Gly Val Cys Tyr Thr Asp Leu His Thr Met Lys Cys Asp Trp Pro
20 25 30
Leu Lys Pro Lys Trp Pro Leu Val Gly Gly His Glu Gly Ala Gly Met
35 40 45
Val Ile Thr Val Ile Ile Leu Ser Val Val Arg Leu His Leu Ile Cys
50 55 60
Ile Leu Asn Lys Glu Gln Ser Ala Ser Ala Gln
65 70 75

<210> 22538
<211> 217
<212> PRT
<213> A.fumigatus

<400> 22538
Ser Phe Asp Arg Arg Cys Glu Asp His Gln Thr Arg Ala Glu Thr Arg
1 5 10 15
Ala Arg Gly Pro Leu Ala Ala Met Cys Trp Val Asn Val Leu Asn Ala
20 25 30
Ile Asp Leu Leu Leu Ser Ser Arg Val Ser Phe Asp Glu Gln Ile Ala
35 40 45
Trp Met Thr Lys Cys Gly Gln Ser Lys Thr Ala Asp Ser Ser Tyr Trp

```
    50                  55                  60
Arg Arg Leu Val Trp Ser Ile Glu Met Ala Phe Asn Tyr Arg Arg Ile
65                  70                  75                  80
Asn Thr Pro Trp Gln Ile Arg Ala Val Pro Ala Phe Asp Arg His Asp
                85                  90                  95
Pro Gly Phe Val Pro Asp Lys Val Lys Phe Leu Arg Gln Cys Ala Leu
            100                 105                 110
Arg Val Cys Gly Ser Leu Phe Val Val His Phe Cys Thr Leu Asp Leu
        115                 120                 125
Arg Asp Ala His Leu Ala Gly Ile Leu Ser Glu Ile Ser Asp Ser Lys
    130                 135                 140
Lys Val Leu Leu Pro Thr Trp Gly Glu Trp Thr Ala Arg Arg Ala Ile
145                 150                 155                 160
Leu Gln Met Leu Phe Thr Ile Ser Phe Gly Leu Leu Thr Arg Ala Ala
                165                 170                 175
Ile Leu Gly Thr Tyr Ser Leu Leu Ala Met Phe Phe Val Ala Val Gly
            180                 185                 190
Ala Tyr Glu Pro Val Asp Trp Pro Pro Val Phe Gly Asn Val Ser Asp
        195                 200                 205
Met Tyr Ser Leu Thr Arg Val Trp Gly
    210                 215

<210> 22539
<211> 120
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (13),(23),(30),(34),(44),(67),(71)
<223> Identity of amino acid sequences at the above locations are unknown.

<400> 22539
His Leu Gly Thr Ile Met Ser Ala Gln Leu Thr Cys Xaa Ala Ser Glu
1               5                   10                  15
Pro Gln Gln Lys Val His Xaa Pro Phe Leu Cys His Lys Xaa Arg Val
            20                  25                  30
Glu Xaa Leu His Lys Leu Gly Gln Glu Cys Asp Xaa Leu Val Glu Asn
        35                  40                  45
Tyr Leu Ser Ser Thr Leu Lys Lys Tyr Gly Leu Asp Tyr Glu Thr Leu
    50                  55                  60
Arg Ser Xaa His Pro Lys Xaa Tyr Met Gln Val Leu Gln Gly Thr Ala
65                  70                  75                  80
Lys Thr Gly His Thr Thr Thr Gly Leu Gly Thr Met Ser Trp Pro Lys
                85                  90                  95
Leu Lys Ile Thr His Ala His His Trp Lys Gln Lys Pro Arg Ile Phe
            100                 105                 110
Gln Val Arg Val Thr Val Thr Asp
        115                 120

<210> 22540
<211> 285
<212> PRT
<213> A.fumigatus

<400> 22540
```

```
Pro Arg Ser Ile Ala Tyr Asn Ser Gln Arg Pro Ile Val Glu Lys His
1               5                  10                  15
Ala Ser Phe Ala Phe Tyr His Pro Ala Thr Glu Ala Ile Ala Gly Val
            20                  25                  30
Val Ser Asp Ile Pro Val Lys Phe Leu Met Ala Ile Ala Phe Asn Ile
        35                  40                  45
Ile Leu Tyr Phe Leu Ser Gly Leu Arg Arg Glu Pro Ser Gln Phe Phe
    50                  55                  60
Ile Tyr Phe Leu Ile Thr Phe Ile Ile Met Phe Val Met Ser Ala Val
65                  70                  75                  80
Phe Arg Thr Met Ala Ala Ile Thr Arg Thr Val Ser Gln Ala Met Thr
                85                  90                  95
Leu Ala Gly Val Leu Ile Leu Met Leu Val Ile Tyr Thr Gly Phe Val
            100                 105                 110
Val Pro Val Asn Tyr Met His Pro Trp Phe Lys Trp Ile His Tyr Leu
        115                 120                 125
Asn Pro Ile Phe Tyr Ala Phe Glu Ile Leu Ile Ala Asn Glu Phe His
    130                 135                 140
Gly Arg Glu Phe Thr Cys Ser Gln Phe Ile Pro Ala Tyr Pro Asn Leu
145                 150                 155                 160
Pro Gly Asp Ser Phe Val Cys Ser Ser Arg Gly Ala Val Ala Gly Arg
                165                 170                 175
Arg Thr Val Ser Gly Asp Ala Tyr Ile Glu Ala Ser Tyr Ser Tyr Ser
            180                 185                 190
Tyr Ser His Val Trp Arg Asn Phe Gly Ile Leu Ile Ala Phe Leu Ile
        195                 200                 205
Gly Phe Met Val Ile Tyr Phe Val Ala Thr Glu Leu Asn Ser Ala Thr
    210                 215                 220
Thr Ser Ser Ala Glu Val Leu Val Phe Arg Arg Gly His Glu Pro Ala
225                 230                 235                 240
His Leu Lys Asn Gly His Glu Pro Gly Ala Asp Glu Glu Ala Gly Ala
                245                 250                 255
Gly Lys Thr Val Val Ser Ser Ser Ala Glu Glu Asn Lys Gln Asp Gln
            260                 265                 270
Gly Ile Val Phe Thr Thr Gly Leu Glu Ser Ala Arg His
        275                 280                 285
```

<210> 22541
<211> 228
<212> PRT
<213> A.fumigatus

<220>
<221> UNSURE
<222> (54),(64)
<223> Identity of amino acid sequences at the above locations are unknown.

```
<400> 22541
Val Ala Gly Val Leu Arg Thr Gln Ser Arg Ile Phe Ser Val Tyr Phe
1               5                  10                  15
His Thr Tyr Gln Leu Asp Ser Pro Ser Thr Ser Ser Ile Gly Ile Leu
            20                  25                  30
Lys Val Leu Ser Tyr Ile Ser Gln Thr Ile Asp Pro Ile Glu Ser Leu
        35                  40                  45
Phe Gln Pro Gln Trp Xaa Pro Ser Pro Ser Lys Lys Arg Pro Pro Xaa
    50                  55                  60
```